Océ ProCut Prepress

USER MANUAL

Introduction

Introduction to Océ ProCut Prepress workflow software

The Océ ProCut Prepress software described in this manual is a workflow software package used to help prepare graphics (print files) to be finished with computerized X/Y cutting and milling machines. The software is a true client and server solution compatible with both Windows and Macintosh computers and is engineered to guide users through a few, but necessary steps of file preparation before processing a given job. Printed files to be trimmed and/or contour cut needs certain preparation in order to be perfectly finished. The Océ ProCut Prepress software has all of the necessary tools to assign different tool tasks (routing, creasing, kiss-cutting, through-cutting, etc.) to different curves in a job, to split jobs into panels, offsetting curves to make sure to cut inside the printed area or to compensate for a router bit, insert registration marks for vision registration and insert barcode(s) for efficient and error free finishing. Typically, Océ ProCut Prepress can be used to prepare all jobs to be processed with the digital finishing machine, despite type of RIP and printer – thereby achieve one workflow solution for all the jobs.

About this manual

This manual contains information on how to install and setup Océ ProCut Prepress in a typical production environment as well as detailed description of all of the menu points and functions in the software. In addition, the manual includes appendixes with job examples and guidance on how to connect to peripheral software such as Onyx and I-Cut. It is recommended to read through this manual before installing and configuring your system. To get an overview of the manual – use the "bookmarks" section in Adobe Acrobat.

To improve the package, we would very much like to have your input and feedback in regards to the Océ ProCut Prepress software - new ideas, features, changes, etc are most welcome.

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Chapter 1 - Entering new jobs into the system

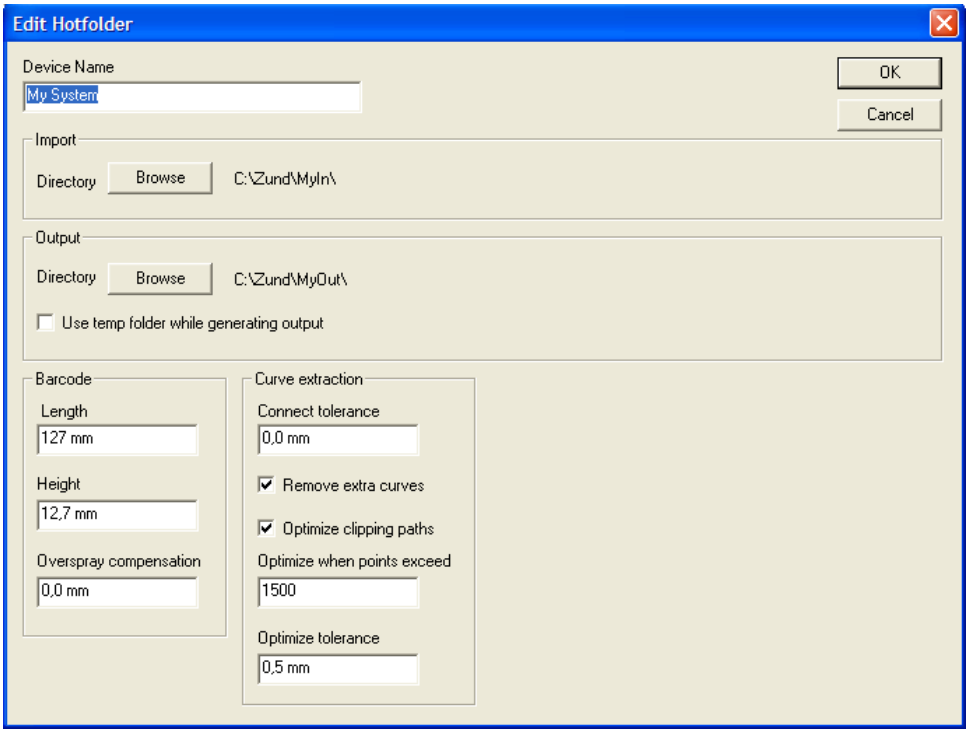
Acceptable file types:

The system is able to accept three types of files.

1) PDF Files (Version 1.3 -> 1.6 without any passwords)
2) EPS Files (All)
3) AI files with "Create PDF compatible file" on (Version 10 -> CS2)

Where to save/copy files:

The files are either saved directly into the hotfolder or copied/moved into the hotfolder. The hotfolder can be found by opening the servers preference and then open the relevant hotfolder.



The hotfolder can be found under "Import directory".

All curves will be extracted from the file and the file is removed from the directory when it is imported.

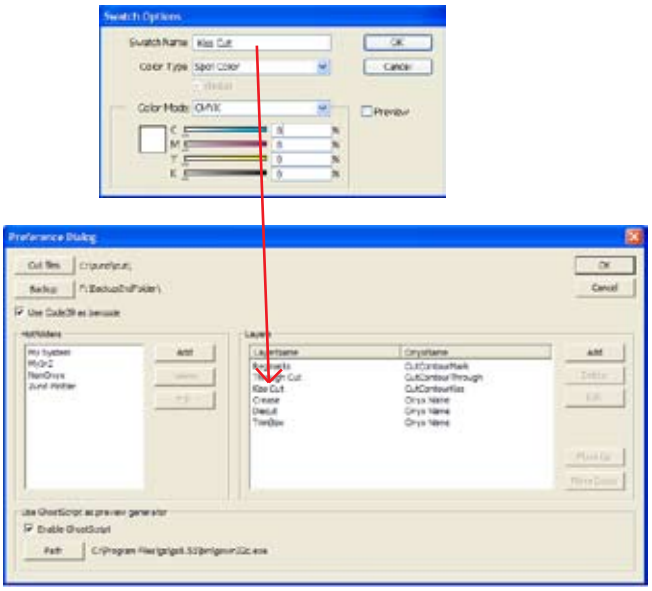
Using spot colours:

If there is curves in the EPS/PDF with spot colour that matches the names of the layers defined in the Océ ProCut Prepress server, then these curves will be placed automatically in the corresponding layers of job.

It does not matter if it is the stroke or fill that matches the layer names.

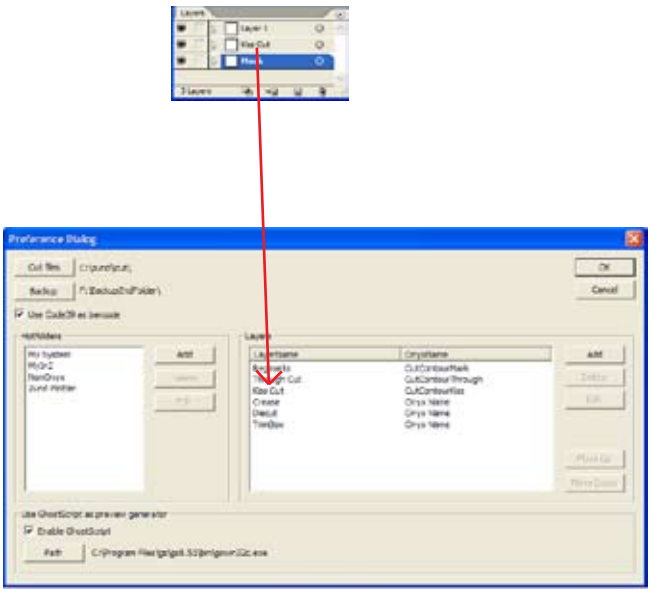
When testing the spot colour names all test will be case insensitive and any spaces will be ignored.

As an example where the spot colours in Adobe Illustrator are created as swatches.



Using layers:

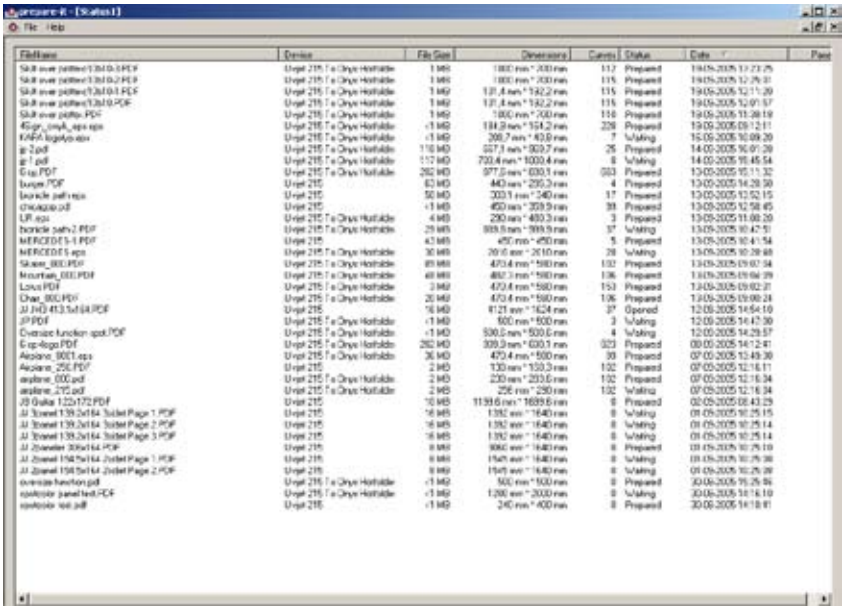
When using Illustrator it is possible to define layers with names that matches the layer names in the server preference. All curves in these layers will automatically be copied into the jobs layers with matching names.



Chapter 2 - The status window

Place your EPS or PDF file in a configured input hotfolder.

The Océ ProCut Prepress server will automatically extract the curve information (bounding box, text, line art or clipping path) from the file and place it in the job list. When it detects a new file it will get the status "Initial". When it has finished extracting the information and is ready for preparing, the file will have the status "Waiting".



Column	Description
File Name	The name of the file entered in the queue
Device	Name of the hotfolder that the file is entered in
File Size	Size of the file in megabytes
Dimensions	Size of the unscaled job
Curves	Number of extracted curves in the file
Status	Initial: New job found in a hotfolder and curves are being extracted. Waiting: The job is ready to be opened. Opened: The job has been opened, but the "prepare button" has not yet been clicked. Prepared: The job is "prepared". Uncompressed: The job is un-packed and ready to be worked with again. (The same as Waiting/Opened). Compressed: The job is packed. Error: An error has occurred with this job. Double-check the line to get information about the error.
Date	Time where the file is entered in the queue
Panels	Number of panels in the job

Change width of the column

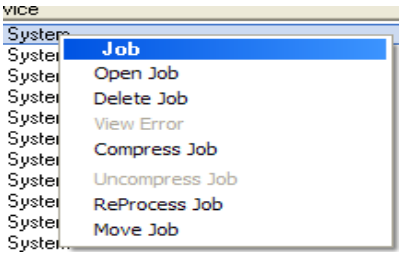
Drag the boundary on the right side of the column heading until the column is the width you want.

Change the order of column (Win XP/2000 only)

Click inside the header of the column that is going to be moved. Drag the column to the new position.

Job Menu

Right clicking of a job line will bring the following menu



Open Job

See Chapter 3 – Working with a job

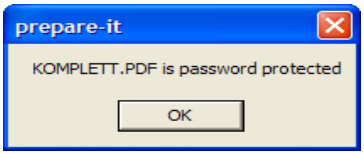
Delete Job

Select one of more jobs and then select the "Delete Job" menu point. For each job a dialog appears

Click OK to delete this file.

View Error

Select the job in error state and then either double click the line or select the menu point "View Error".



Click OK to close the message box.

Compress Job

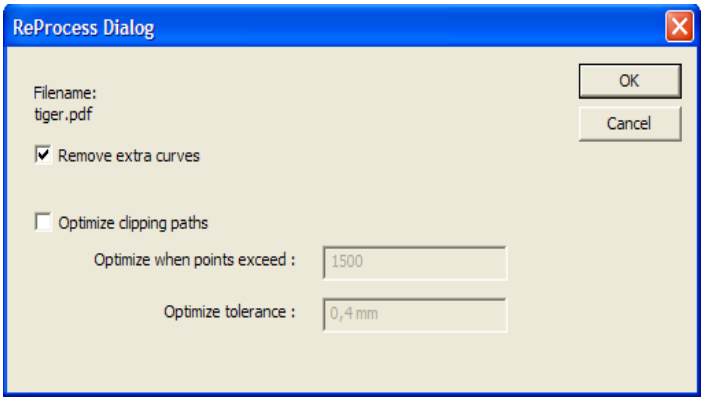
Compresses a Job and moves the file to the Backup directory setup in the servers preference. From this directory the file can be backed up and removed.

Uncompress Job

A compressed job in the Backup directory specified in the servers preference can be uncompressed and thereby restored to the state before the compression. After the job is restored the job will act like any other job.

ReProcess Job

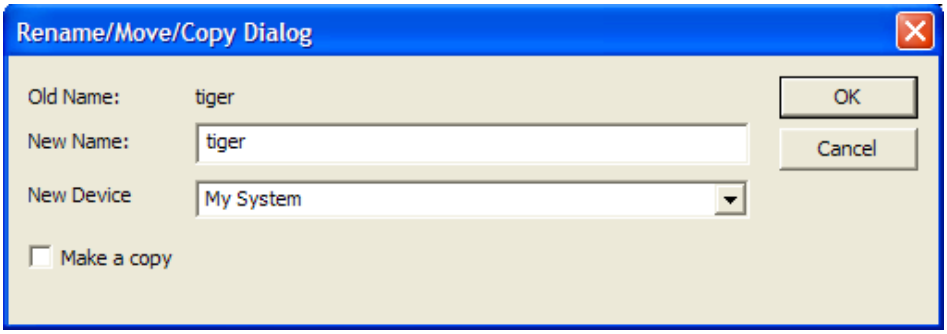
It is possible to reprocess a job, specifying parameters that override the values from the hotfolder in the server program.



See the servers hotfolder settings for information about the parameters.

Click OK to reprocess the job with the new parameters.

Move Job



Option	Description
New Name	Name of the renamed or copied file
New Device	Device to put the renamed or copied file under
Make a copy	Click to make a copy else you will be renaming the file

Rename: Enter the new name under "New Name" and click OK.

Move job to other device: Select the new device under "New Device" and click OK.

Make a copy: Click the "Make a copy" and enter a new name in "New Name" and click OK.

Chapter 3 - Working with a job

Double-Click on a job line in the status window. This creates the possibily to specify how the job should be prepared. The process of preparing the job has following steps:

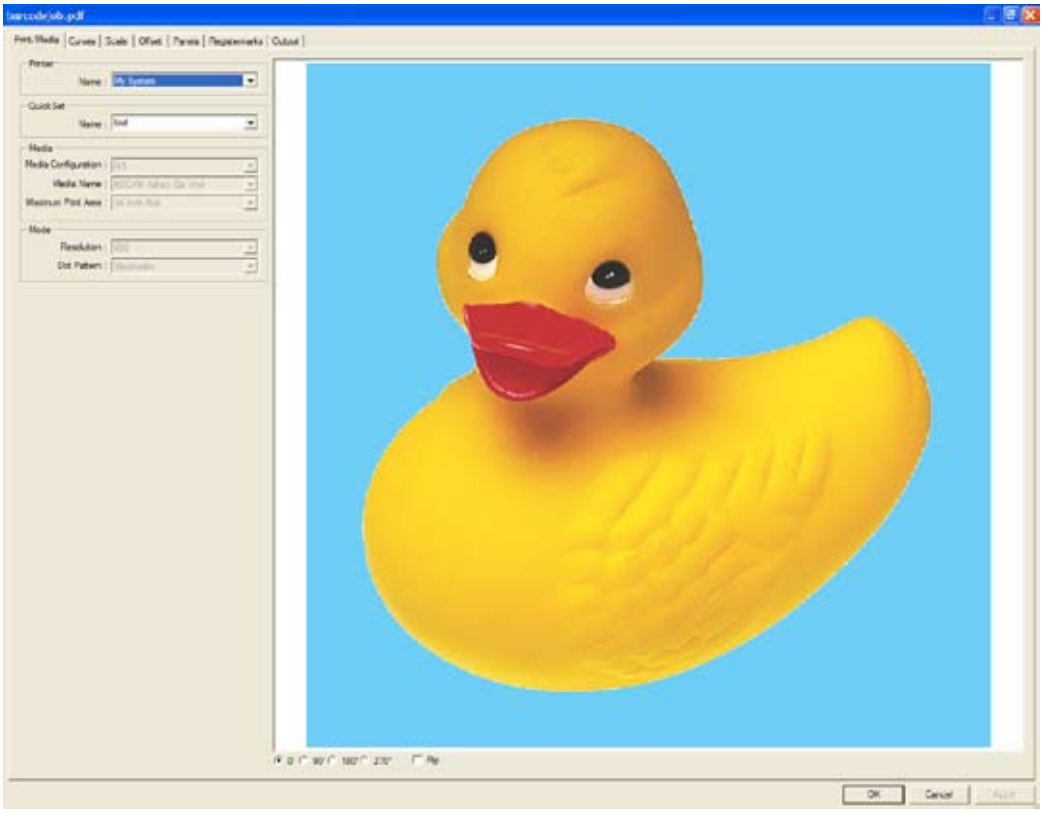
- Selecting Print/Media (Onyx only)
- Selecting curves for I-Cut
- Scaling the job
- Creating in- and outlines
- Creating panels (if any)
- Placing registermarks for I-Cut
- Output the job

Print/Media

When the hotfolders output is connected directly to an input hotfolder of Onyx, it is possible to set Onyx print parameters directly from Océ ProCut Prepress.

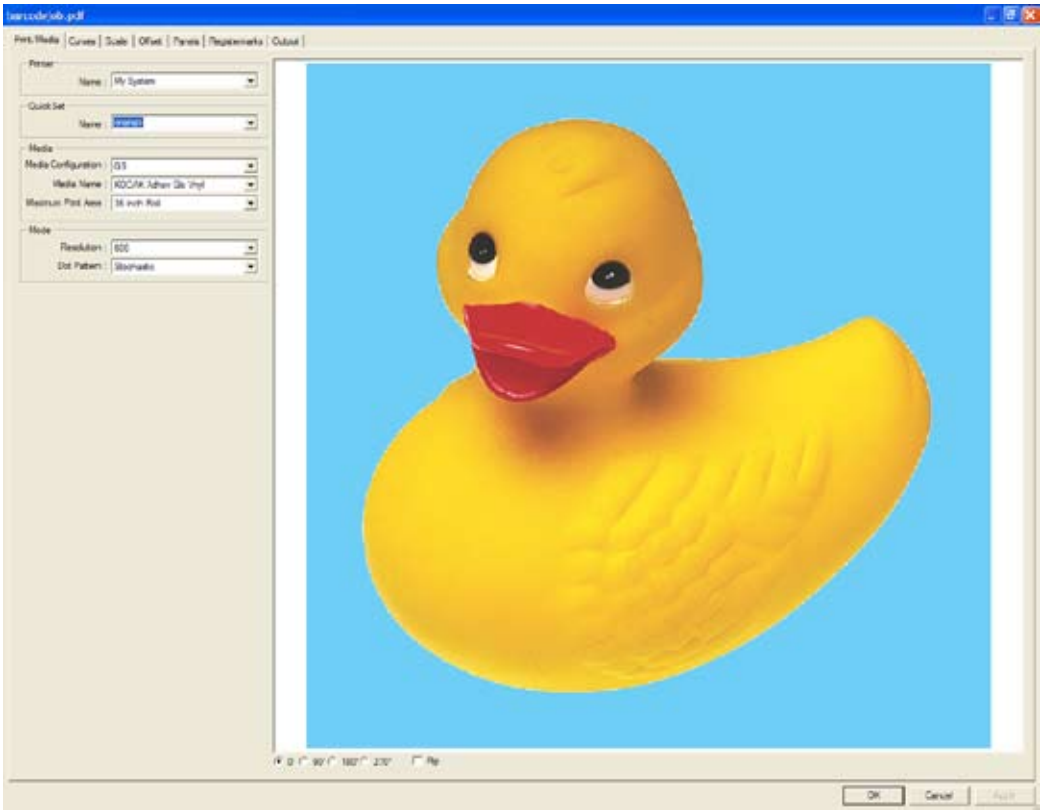
First select the device and then decide if a quickset is to be used.

Using QuickSet:



It is now possible to instruct Onyx how to output the job on the output media. Below the picture it is possible to rotate the job and mirror/flip the job. For a description of the parameters please read the Onyx documentation.

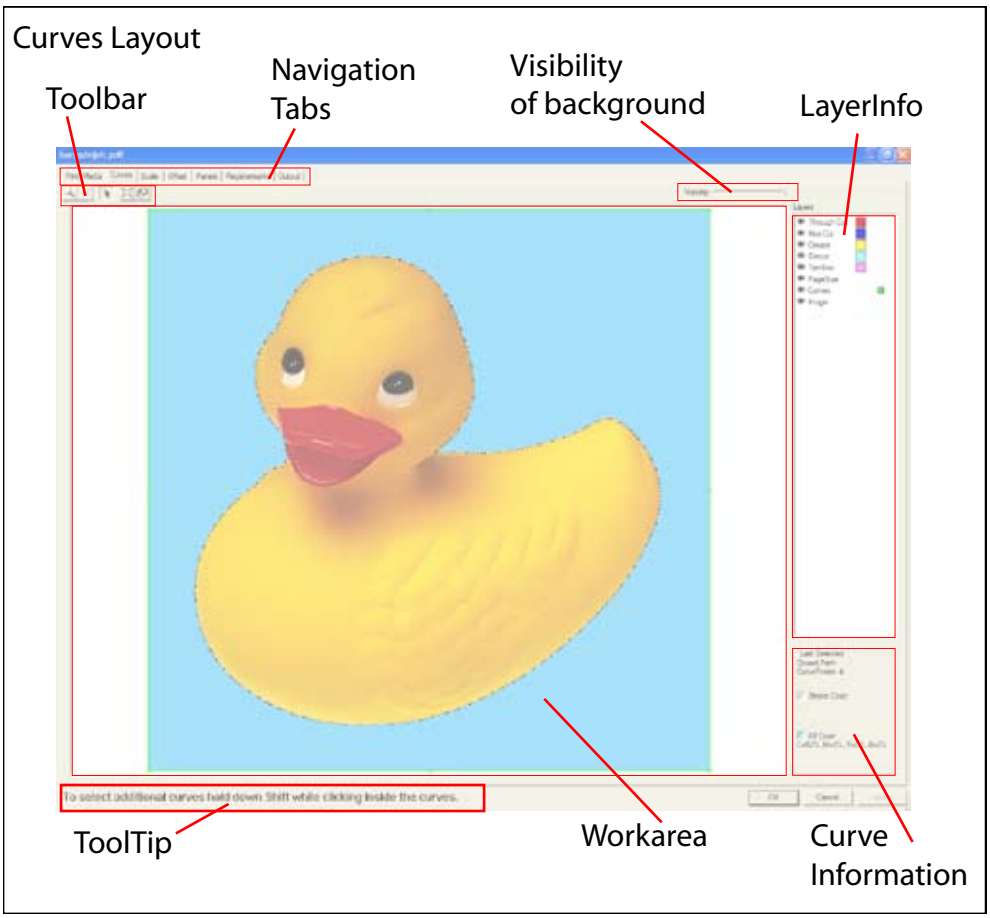
Not using QuickSet:



It is now possible to instruct Onyx how to output the job on the output media. Below the picture it is possible to rotate the job and mirror/flip the job. The Media and Mode can now be set directly from Océ ProCut Prepress. For a description of the parameters please read the Onyx documentation.

Curves

Click the Curves tab.

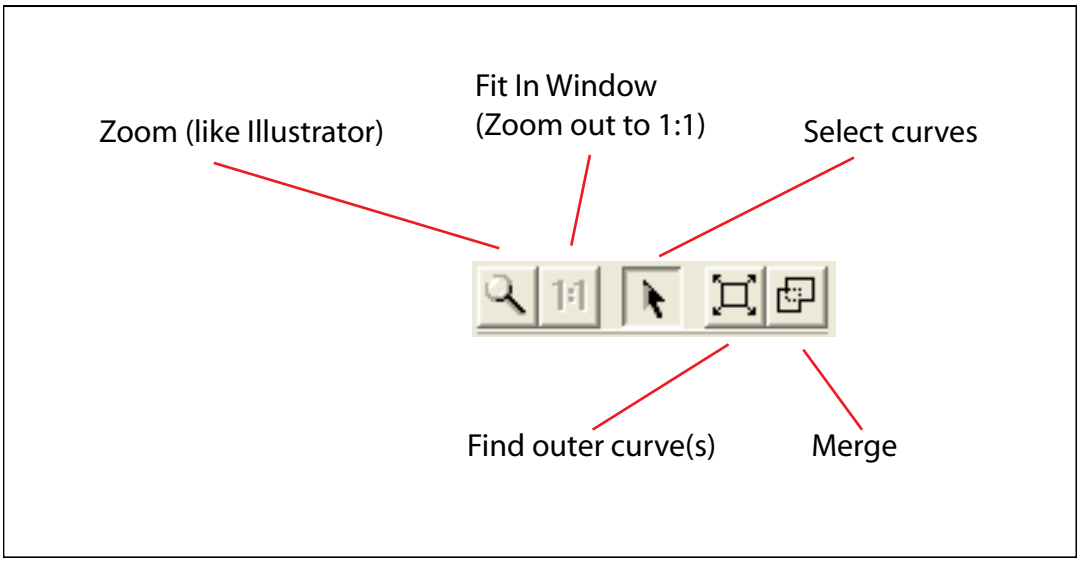


The layout is split up into following parts.
Navigation Tabs
Toolbar
Visibility of background
Layer Info
Curve information
Workarea
ToolTip

Navigation Tabs

Click on one of the tabs to move to the next process. Normally it is best to move from left to right to get the job handled correctly

Toolbar



To zoom in or out

There are several ways to zoom in or out of artwork.

- Select the Zoom tool. The pointer becomes a magnifying glass with a plus sign in its center. Click in the center of the area that you want to magnify, or hold down Alt (Windows) or Option (Mac OS) and click in the center of the area that you want to reduce. Each click magnifies or reduces the view to the previous preset percentage.
- Select the Zoom tool and drag a dotted rectangle, called a marquee, around the area you want to magnify.
- To display a file at 100%, click the Fit In Window button.

To select objects with the Selection tool

Select the Selection tool.

Do either of the following:

- Click an object.
- Drag a marquee around part or all of one or more objects.
- To add or remove objects from the selection, hold down Shift and click or drag around the objects you want to add or remove.

To select objects with the Find outer curve(s) tool

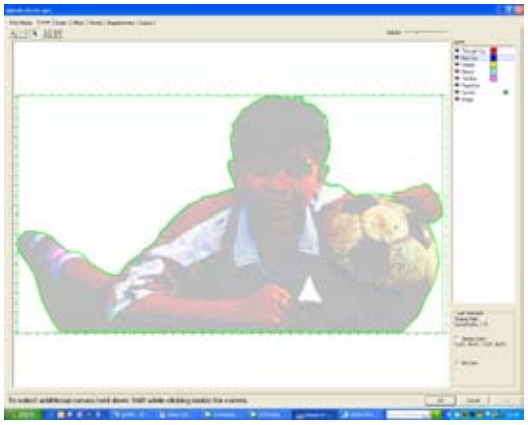
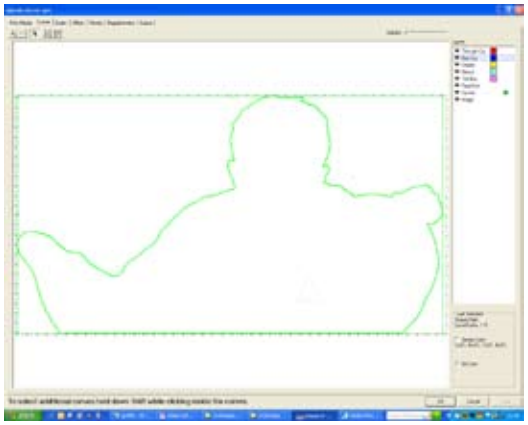
Click the Find outer curves tool button. The system will now select all outer curves that are not the same size as the page size.

To add/merge curves to the layers

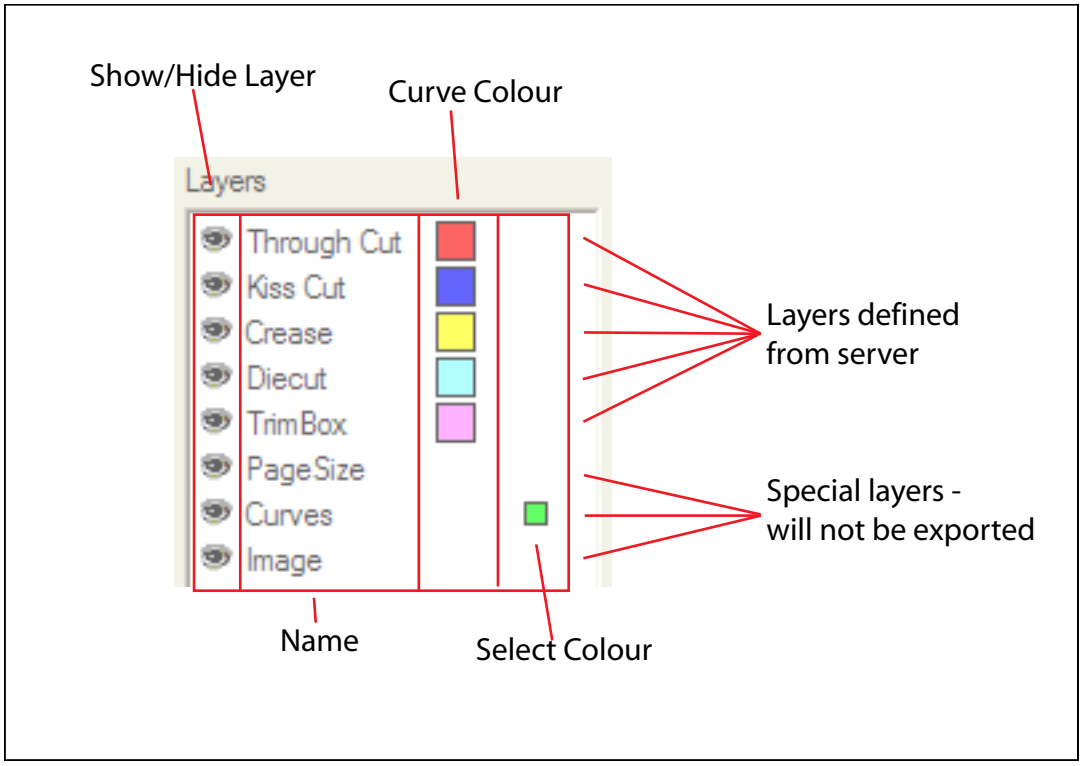
See Using Curves

Visibility of background

It is possible to adjust intensity of the picture in the background to help selecting curves. By moving the slider to the left the image will disappear more and more and the opposite when moving to the right.

Description	Slider	Result
Full intensity		
Intermediate intensity		
No intensity		

Layer Info

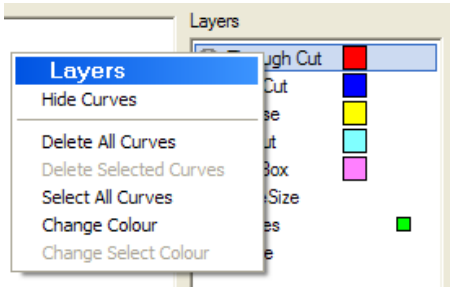


Column	Description
Show/Hide Layer	Double click to show or hide curves in the layer
Name	Name of the layer
Curve Colour	All curves in this layer will be displayed in this colour. Double click box to change the colour
Select Colour	All selected curves will be displayed in this colour. Double click to change the colour. All selected curves have same select colour. Also used as an indication of which layer the selected curve(s) belong to.

Layers defined in the server are displayed at the top and the last three layers are special layers. The special layers are not exported to I-Cut and are information extracted from the job.

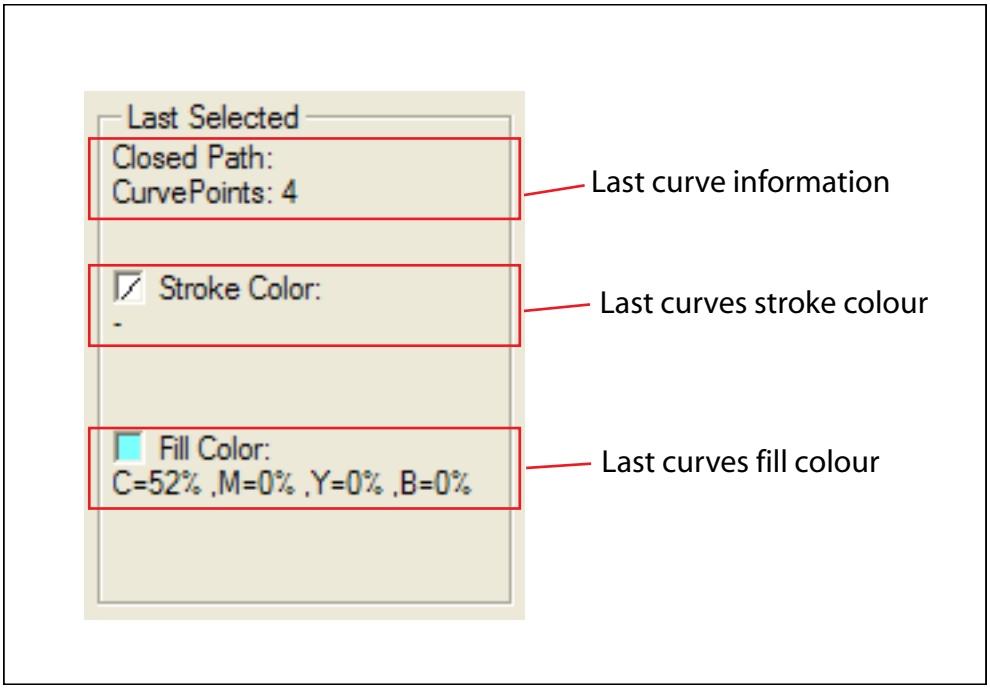
Layer name	Description
PageSize	Contains one curve. If the job is an EPS then it has the size of the bounding box.
Curves	All other curves extracted from the job
Image	The background image. Normally only used for turning the image on/off

Right clicking on a layer name will produce a popup



Menu point	Description
Hide Curves	Hide all curves in this layer
Delete All Curves	Delete all curves in this layer
Delete Selected Curves	Delete all selected curves in this layer
Select All Curves	Select all curves in this layer
Change Colour	Opens a dialog where a new colour for all curves in this layer is selected.
Change Select Colour	Opens a dialog where the colour for all selected curves is choosen. The colour is common to all layers.

Curve information



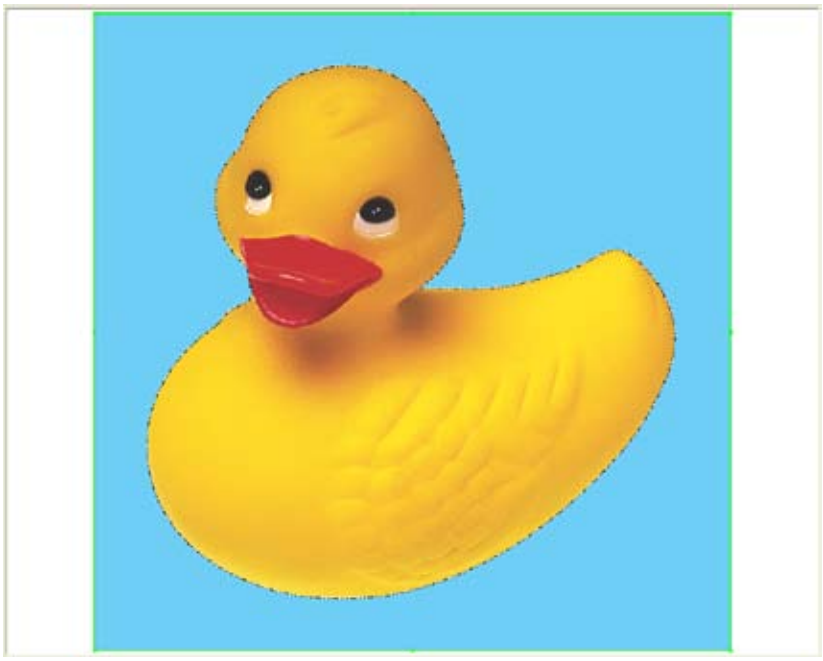
Part	Description
Last curve information	The path is open or closed and how many curve points the path contains.
Last curves stroke colour	Displays the colour of the stroke in the small rectangle and displays the values of the colour. If the curve is a clippath it is displayed as well.
Last curves fill colour	Displays the colour of the fill in the small rectangle and displays the values of the colour.

ToolTip

To select additional curves hold down Shift while clicking inside the curves.

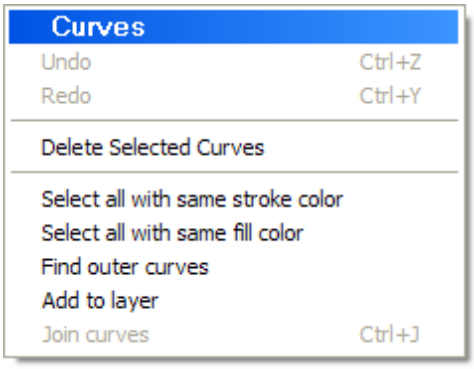
Contains a short help text with a description of the most important possibilities.

Workarea



Here all curves are shown that are extracted from the job as well as a preview of the original job placed in the background.

Right clicking inside the workarea will produce a popup menu.

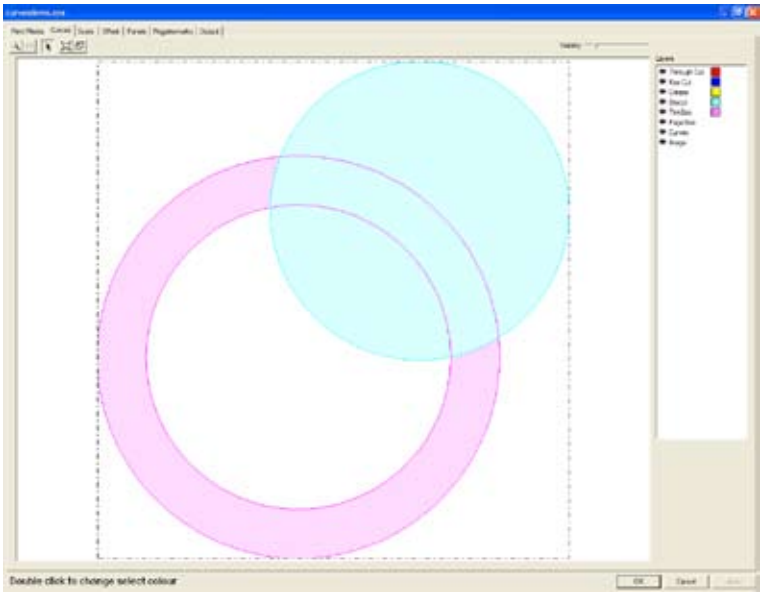


Menupoint	Description
Undo ...	Undo a function
Redo ...	Redo a function
Delete Selected Curves	All selected curves are deleted. Undo possible. Pressing "Delete" button does the same function
Select all with same stroke color	Select all curves that has the same stroke color as described in the "Curve Information" part.
Select all with same fill color	Select all curves that has the same fill color as described in the "Curve Information" part.
Find outer curves	Find outer curves of the job that are not the same size as the page size
Add to layer	See Using curves
Join Curves	The system will try to join as many of the selected open curves as possible. If start and end points of a curve are the same the curve will be automatically closed.

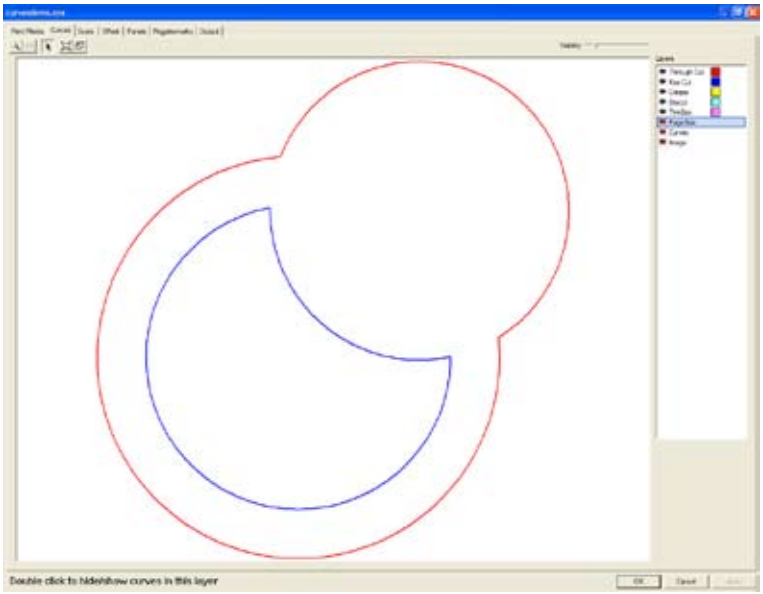
Using Curves

A walkthrough of some of the functions in the Curves tab.

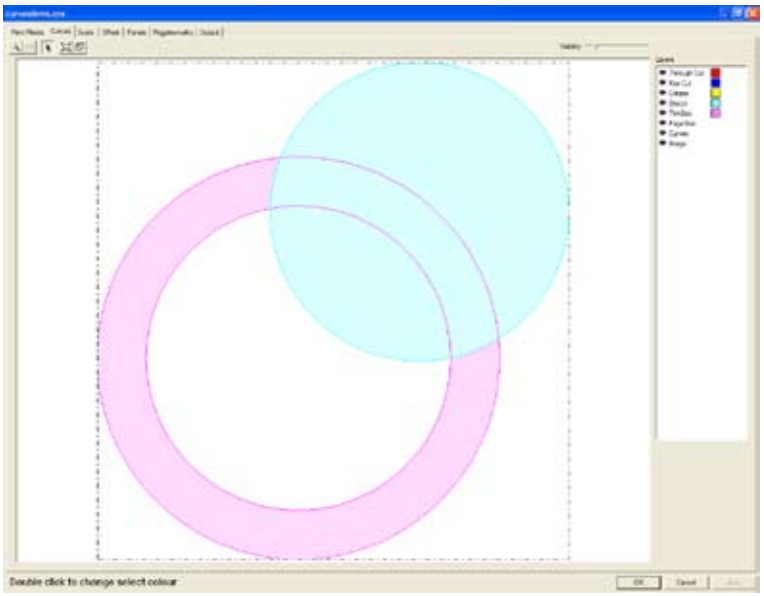
A sample job:



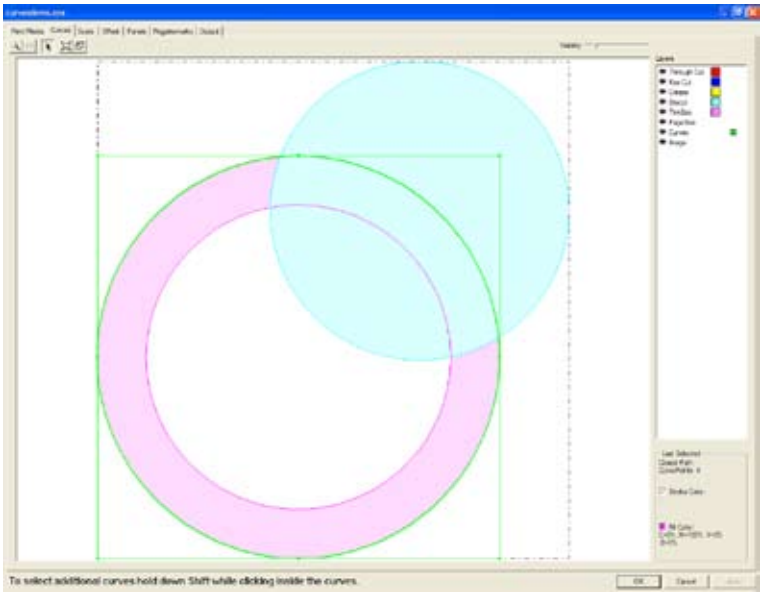
Which should end up with the following result. Through Cut=Red, Kiss Cut=Blue.



Now follows step by step process to create the result.



Click between the two magenta curves to select the outer most magenta curve.



The curve will now be shown in green. The layers and curve information will help detecting if the correct curve is selected. If the wrong curve is selected continue clicking in different places in the job to see when the correct curve is selected. Already selected curves will automatically be deselected.

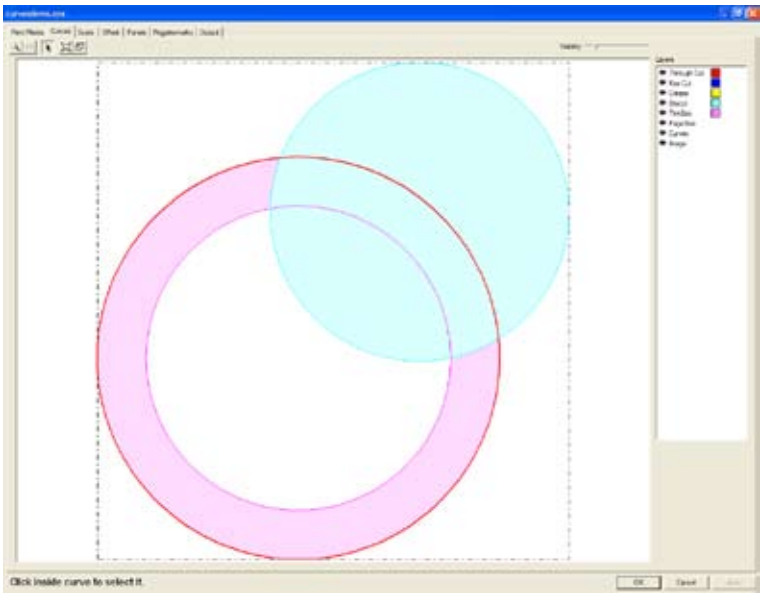
The curve must now be put up in the throughcut layer.

This can be done in 3 ways:

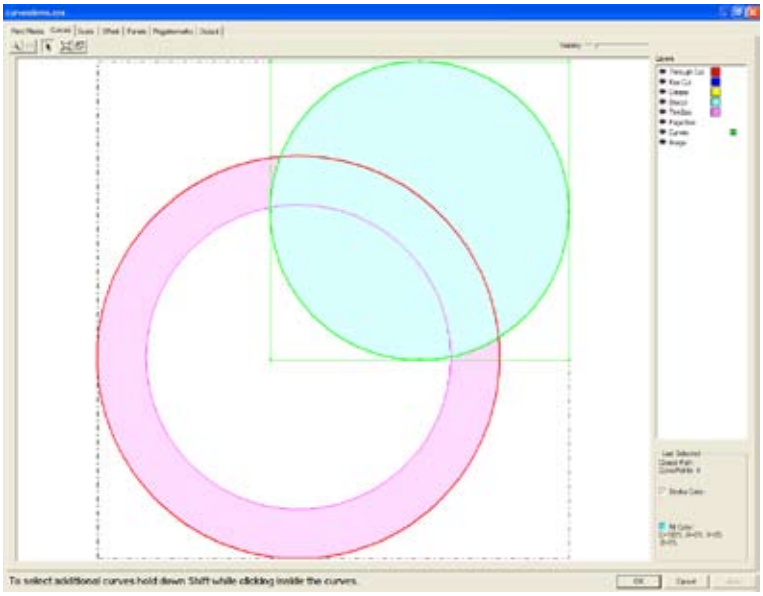
- Using a shortcut to merge it into a layer.
- Click the merge button in the toolbar.
- Right clicking in the workarea and selecting "add to layer" in the popup.

Use the shortcut to merge the selected curve into the throughcut layer. This is done by pressing the 1 button. Count from the top of the layer list down to the wanted layer. "Through Cut"=1, "Kiss Cut"=2 and so on.

The curve is then added to the Through Cut layer and drawn in the colour specified in the Through Cut layer (Red).

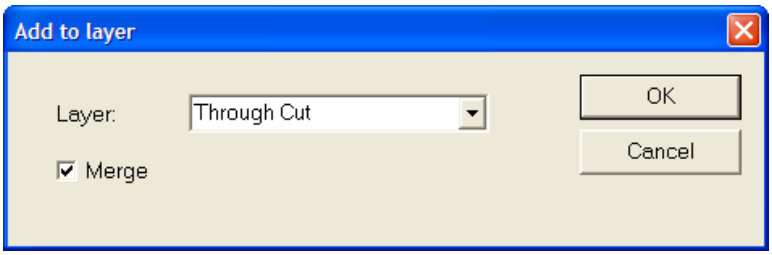


Click inside the cyan curve to select it.

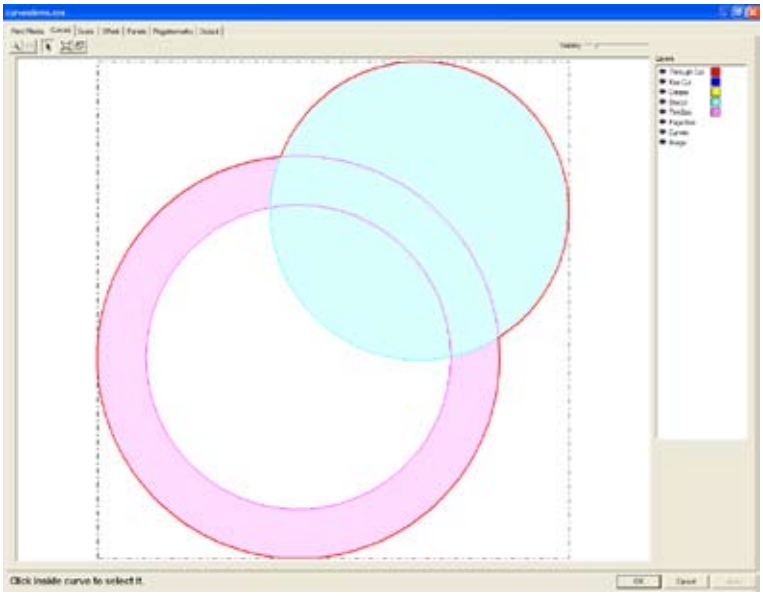


It is now possible to use the 1 button again to get the wanted result, but using the toolbar or popup to add the curve to a layer will bring additional possibilities. Click the toolbars merge button.

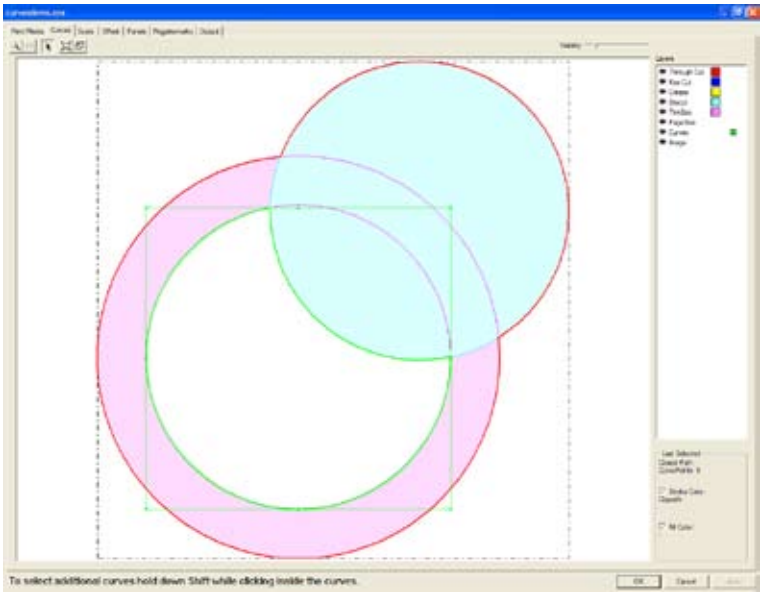
A "Add to layer" dialog will be displayed. Select wanted layer. Select the "Merge" checkbox to merge/combine the two curves.



The two curves are now combined into one curve in the throughcut layer.

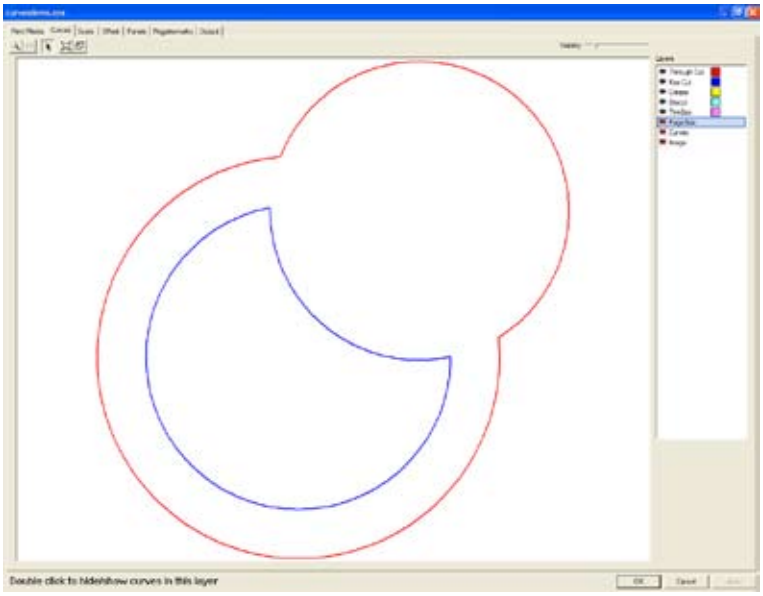


To create a curve that helps cutting out the white area inside the job. The program has a function to create the wanted curve. It works a little like "Minus Back/Subtract" in pathfinder in Illustrator. It will create a curve out of the "white" by combining all the curves that create the white area. Ctrl-click inside the white area to create the curve



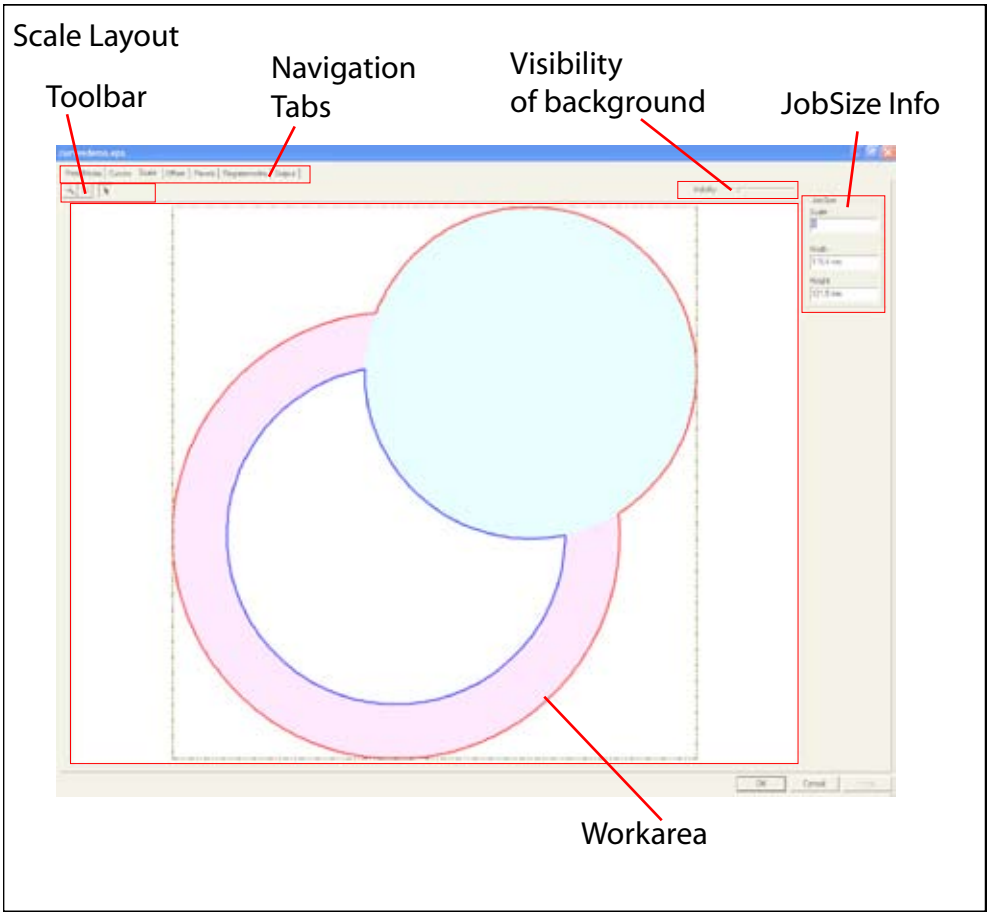
The created curve is placed in the layer "Curves". Press the 2 button to move it to Kiss Cut.
All curves are now created to give the wanted result.

The result:



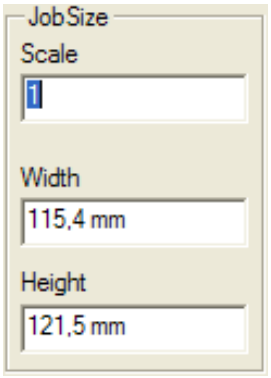
Scale

It is important to scale the job in Océ ProCut Prepress to the final output size and not in the rip. If the job is scaled afterwards in the rip, registrations marks and tool offsets will no longer be correct size.



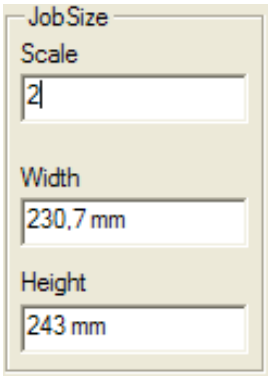
The dialog is build the same way as the Curves tab except the JobSize part.

JobSize Info

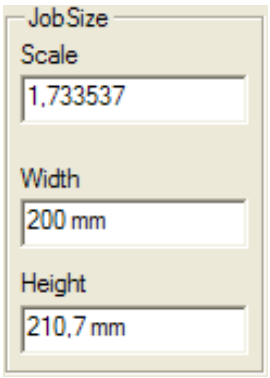


The "Width" and the "Height" are the total size of the selected curves from the Curves Tab. The Scale will default to 1 when the job is first opened.

When a scale 2 is entered the width and height of the curves are automatically calculated.

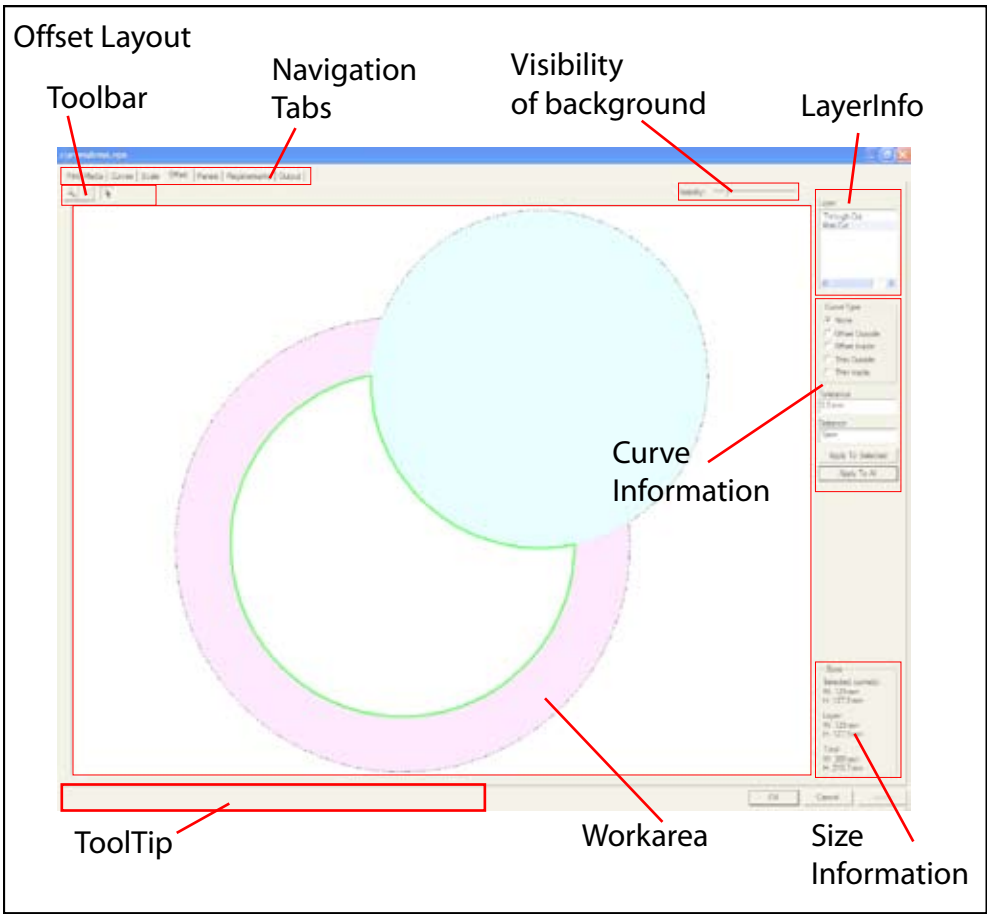


If a specific size is needed (like width 200 mm) just key the value in and the other two values are calculated automatically. Please observe it is NOT possible to distort the image by having a different scale in width and height.



Offset

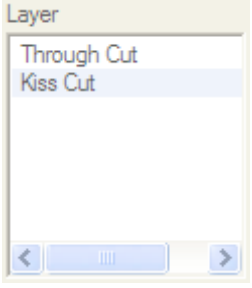
In the Offset tab it is possible to compensate for a tool diameter or to cut a little inside of the image to avoid having "white/unwanted" areas in the final job.



Again the layout is the same as in the Curves tab except from the right hand side.

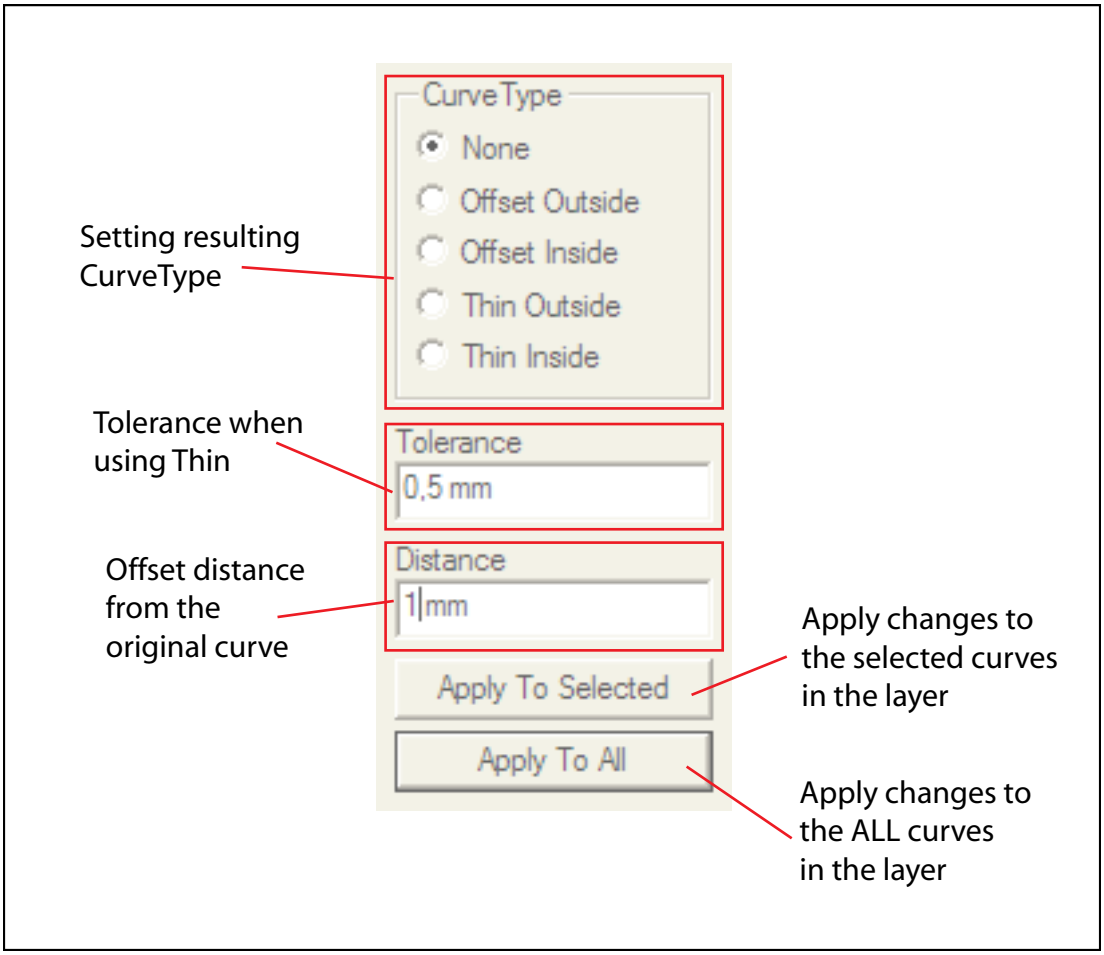
The special parts:
Layer Info
Curve Information
Size Information
Workarea

Layer Info



Click on the layer name to active the layer.

Curve Information

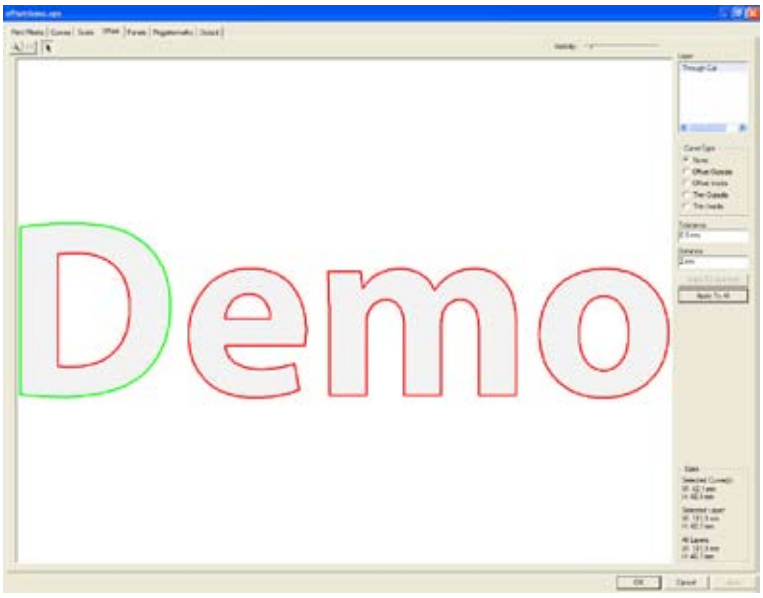


Tolerance is used when using Thin Inside/Outside. The resulting thinned curve is created with the specified tolerance inside or outside the original curve. The thin option is normally only used if the original curve contains a lot of curve points (reduced cut speed).

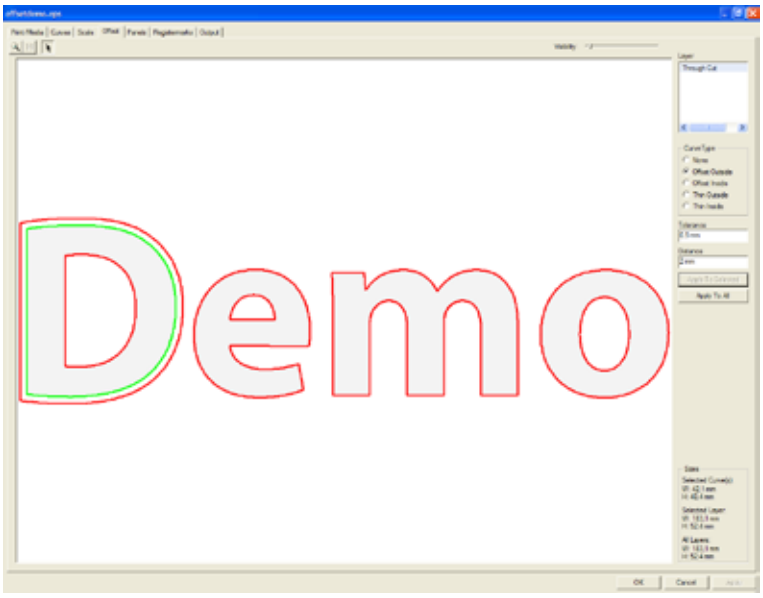
Distance is used when offsetting inside or outside. The resulting offset curve is created with the specified distance to the original curve.

Example:

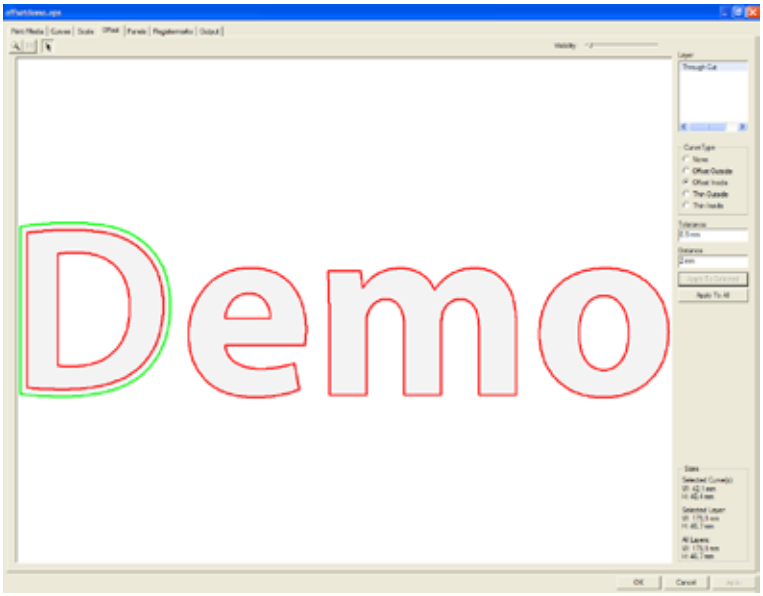
Only the outer curve of the D is selected



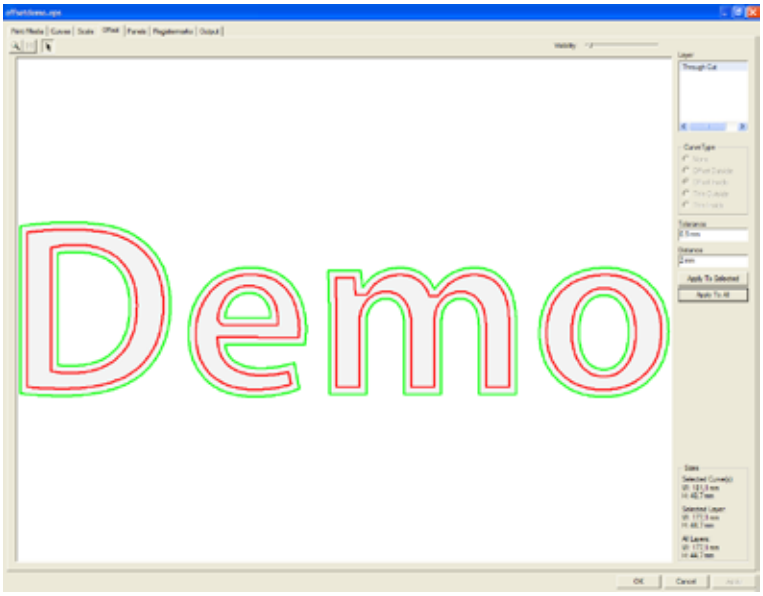
When the Offset Outside is selected and the "Apply To Selected" button is clicked a new red curve is generated outside the selected green original.



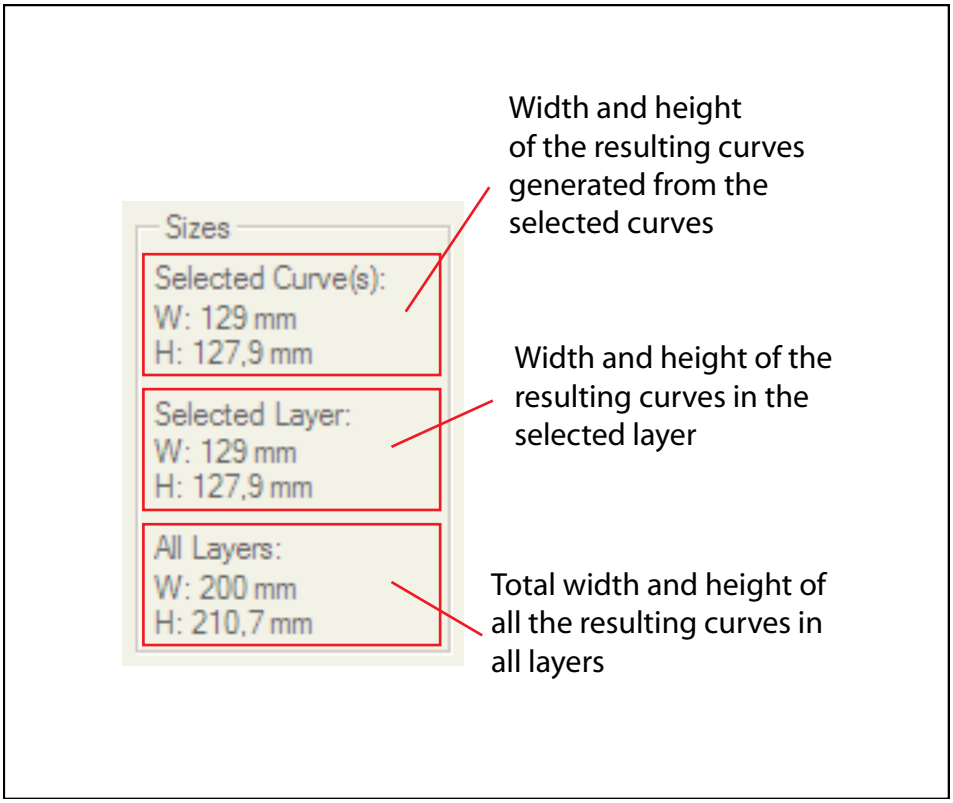
When the Offset Inside is selected and the "Apply To Selected" button is clicked a new red curve is generated inside the selected green original.

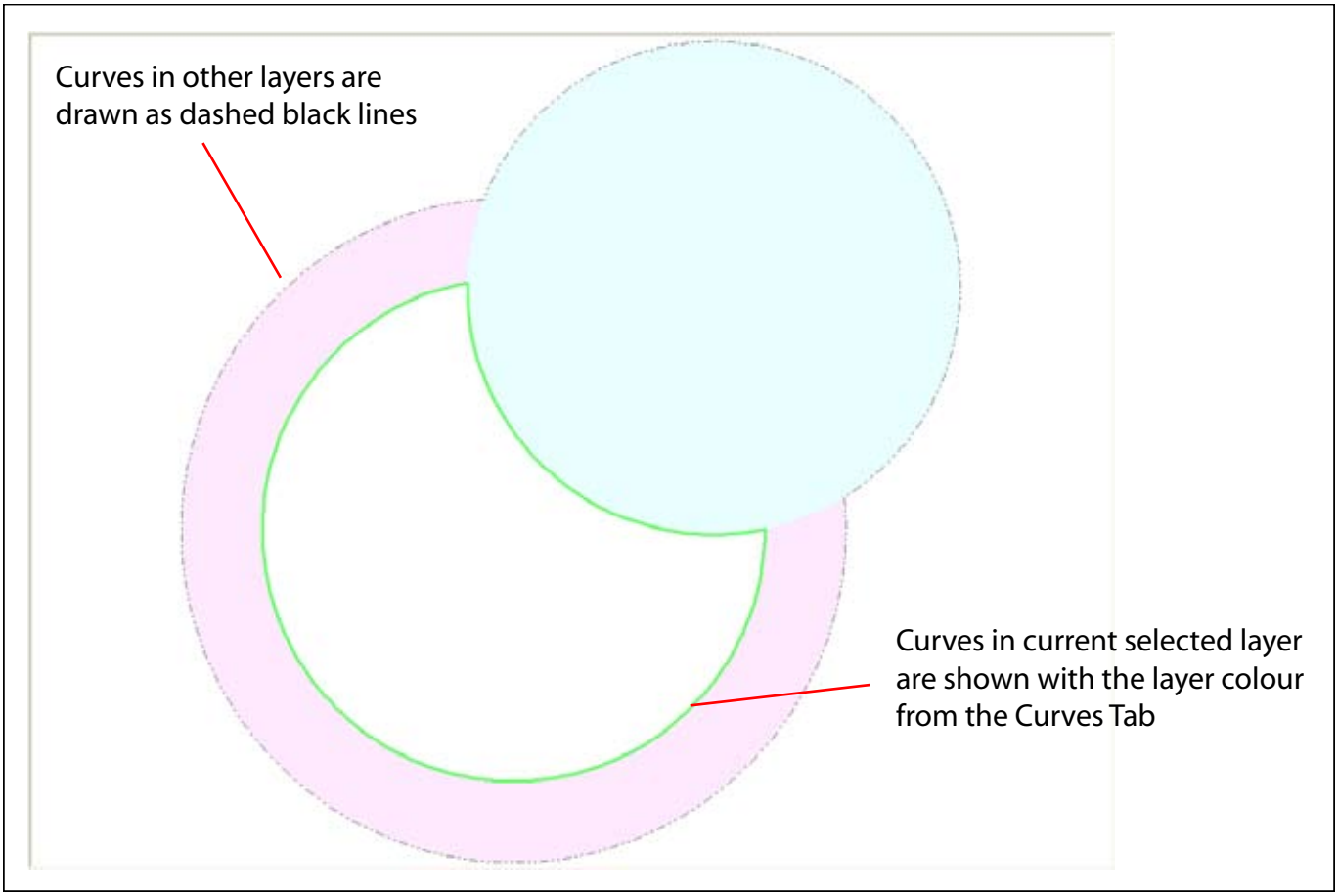


If the "Apply to All" button is clicked the system calculates which curves is inside each other and applies the curves with the appropriate Inside/Outside value. The selected curve is the reference curve with regards to the Inside/ Outside value. There is now generated a new set of curves (Red). The original inside curves has got an offset curve outside and the original outside curves has got an offset inside curve.



Size Information

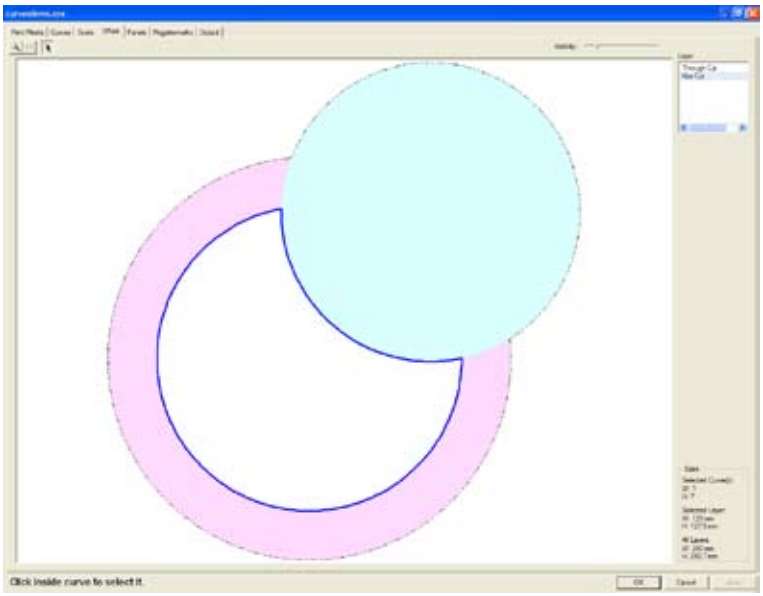

Sizes
Selected Curve(s):
W: 129 mm
H: 127,9 mm
Selected Layer:
W: 129 mm
H: 127,9 mm
All Layers:
W: 200 mm
H: 210,7 mm
Width and height of the resulting curves generated from the selected curves
Width and height of the resulting curves in the selected layer
Total width and height of all the resulting curves in all layers


Curves in other layers are
drawn as dashed black lines
Curves in current selected layer
are shown with the layer colour
from the Curves Tab

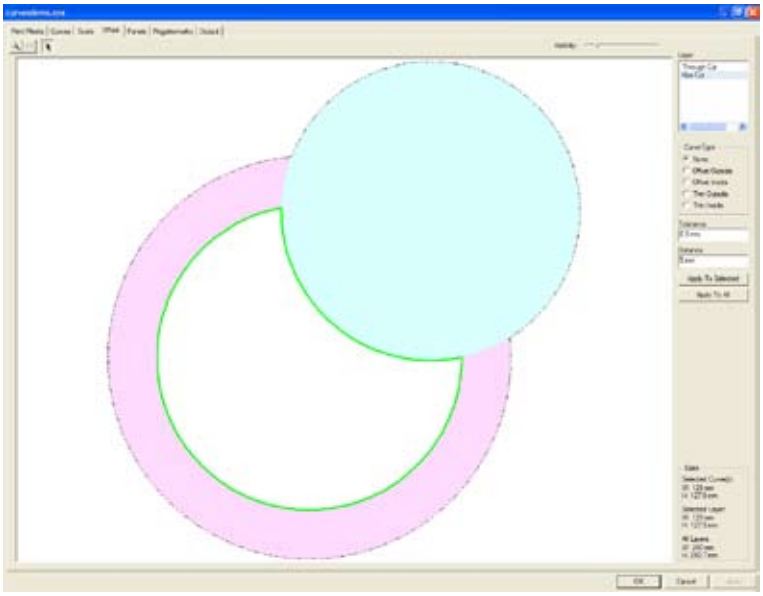
It is only possible to select curves in the current layer. After selecting one or more curves it is possible to alter them. As default none of the curves are offset or thinned.

Using Offset

Example: Create two new curves to cut inside the printed area. The distance is set to 4 mm.

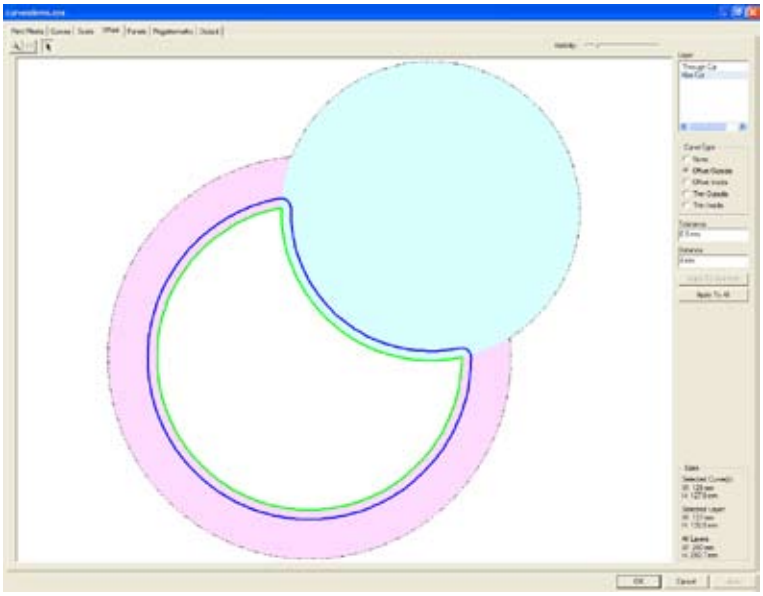


Click inside the blue curve to select it



The curve information appears to the right. The system will remember the values applied to curve if a change is needed on a later stage. Key in the 4 mm in distance. When selecting a curve type think on this curve alone without the system knowing anything about the image behind it. In this case the resulting curve has to created outside the original. Select the "Offset outside" button.

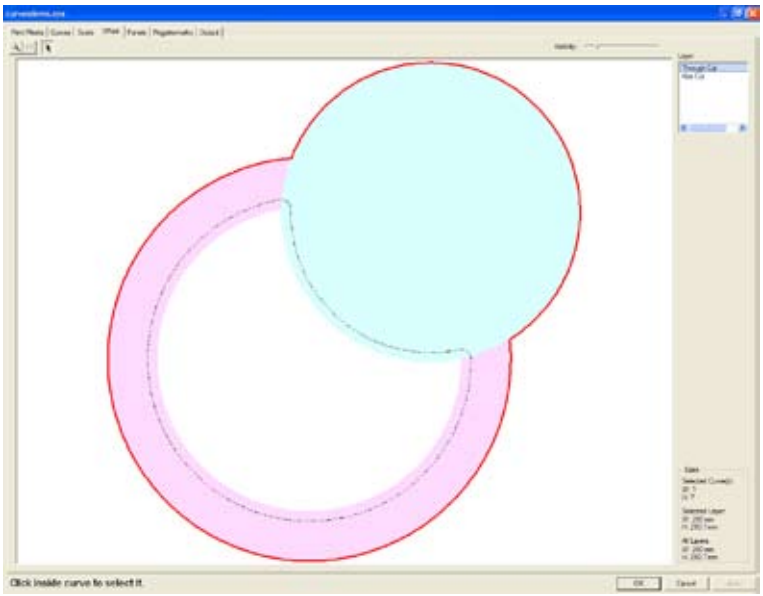
Click the "Apply to selected" to see the result.



The original curve is still selected if further adjustment is needed and a new curve (the blue one) is created. The blue curve is the resulting curve. Only the resulting curves will be cut. The original curves will not be exported to I-Cut unless CurveType equals None.

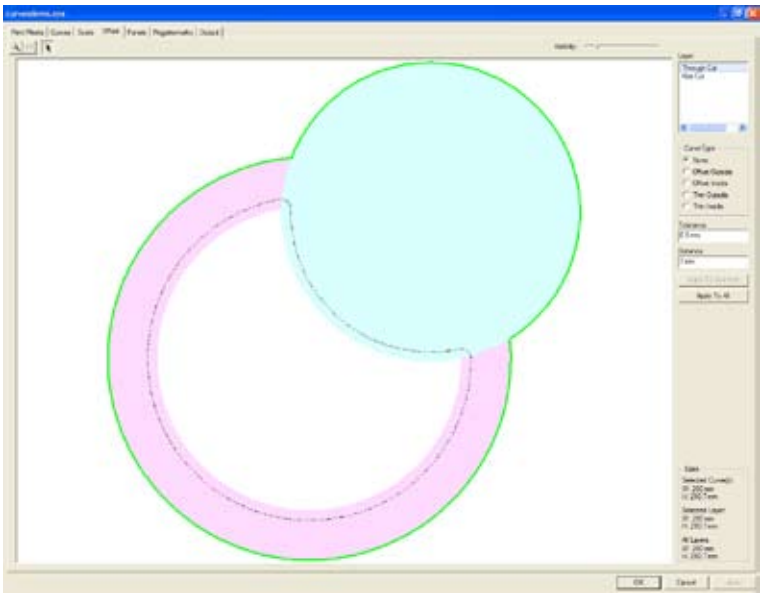
In the sizes the "Selected Layer" has now the resulting curve(s) (the blue curve in this case) as the width and height, but the "Selected Curve(s)" is still the size of the original curve(s)

Click the "Through Cut" in the Layers part.

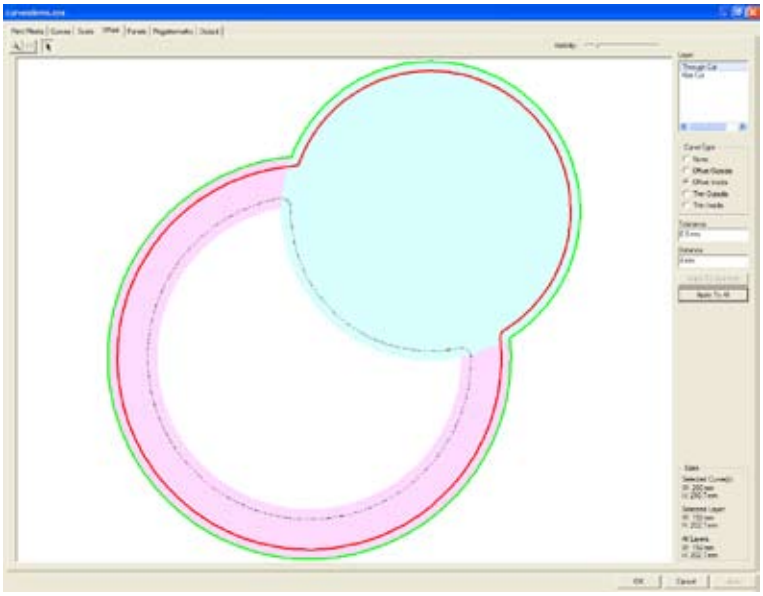


Now it is possible to change the curves in the "Through Cut" layer. The resulting curve from the "Kiss Cut" layer is now shown in black as a dashed line.

Click inside the red curve to select it.

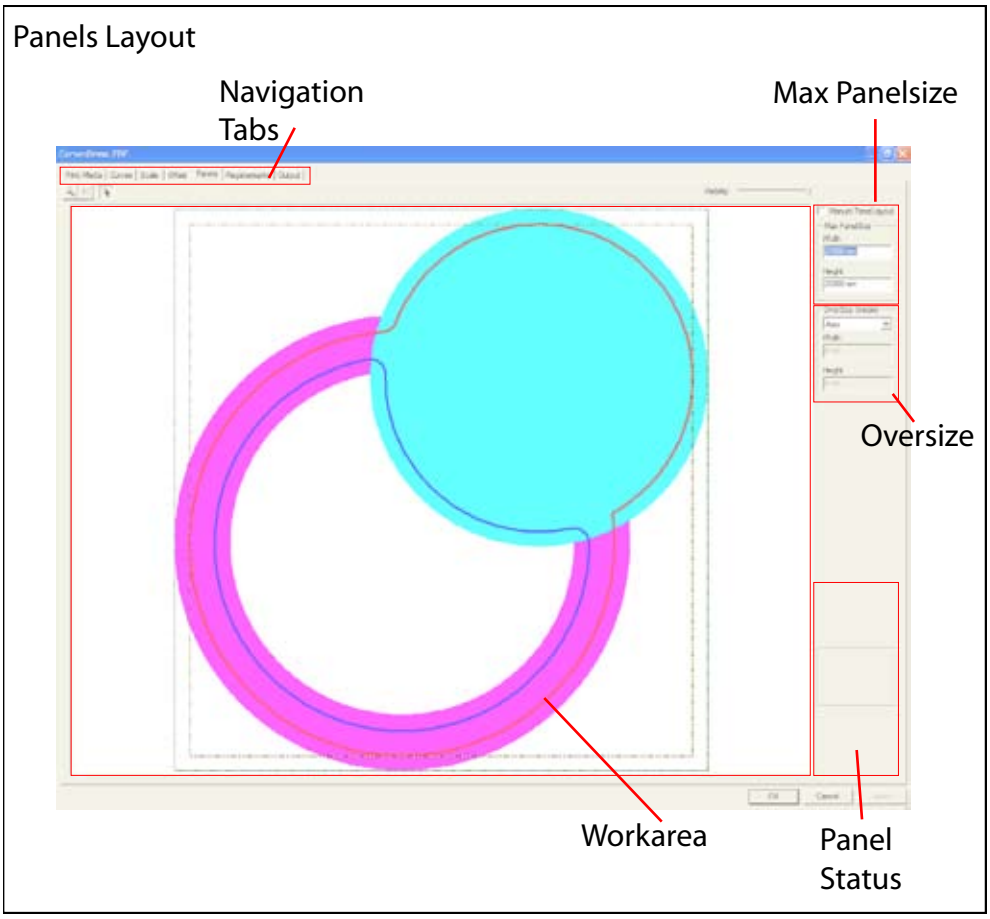


Now the sizes reflect the new layer and the selected curve. This time the resulting curve has to be inside the original curve. Again with the 4 mm distance this gives the following result when "Apply To Selected" is clicked.



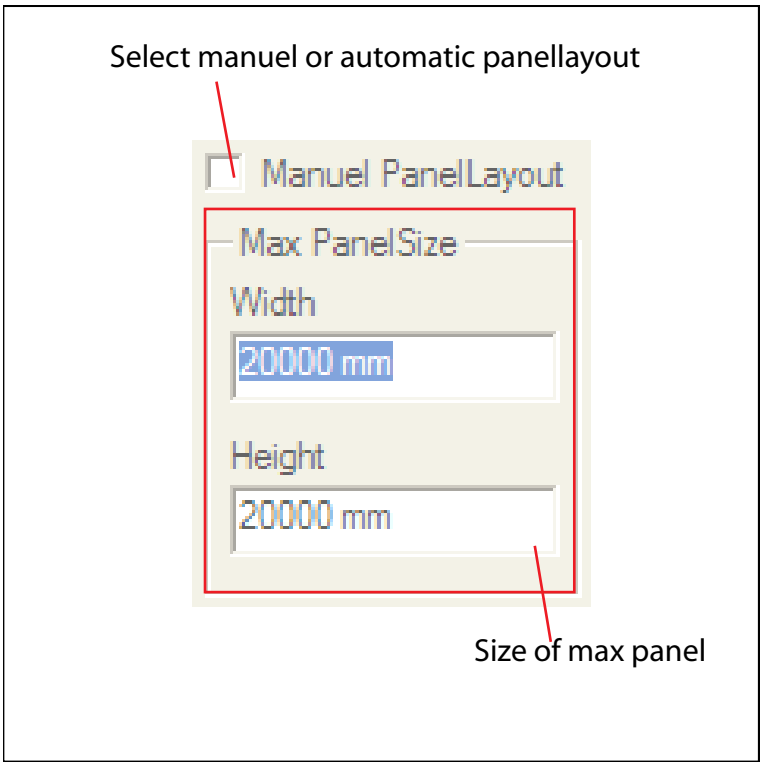
The resulting red curve is now generated inside the original curve. The sizes are also now reflecting the change. The printed size of 200 mm in width that was ordered is now reduced to 192 mm (200 mm - 2 * 4 mm). The 192 is the final size the job will have after cutting. In other words the 200 mm print width is reduced when cutting to 192 mm cutting width.

Panels



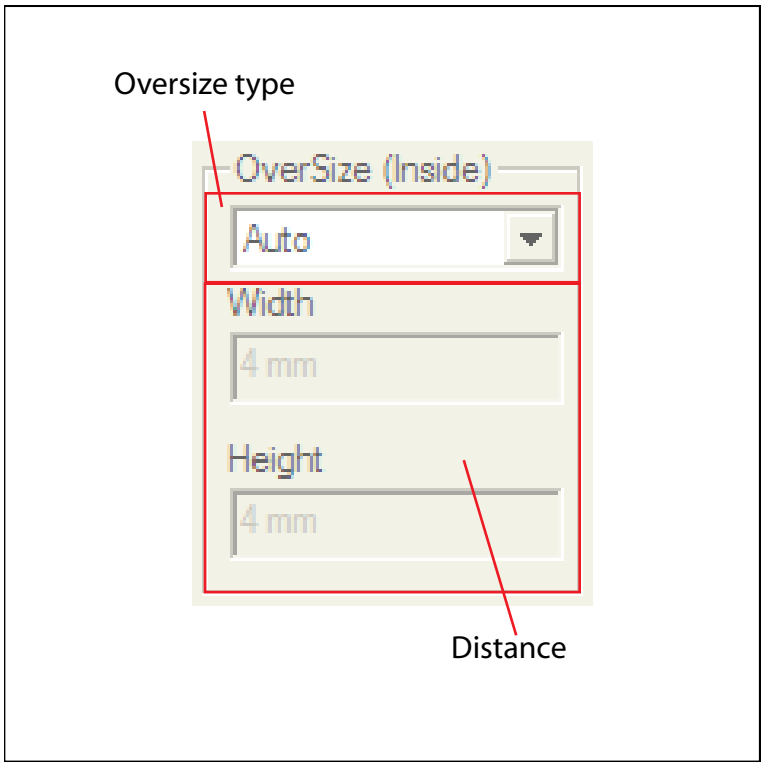
Special sections:
Max Panelsize
Oversize
Panel Status
Workarea

Max Panelsize



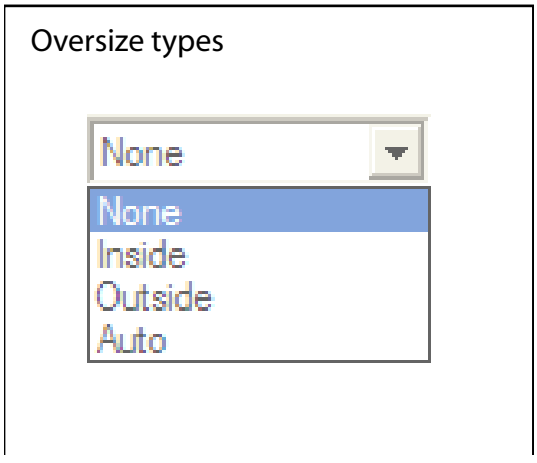
Column	Description
Manuel PanelLayout	If this is not selected the panels will automatically be adjusted to the specified values. This will create uniform panels.
Max PanelSize Width	Maximum width a panel is allowed to be
Max PanelSize Height	Maximum height a panel is allowed to be

Oversize



Column	Description
Oversize Type	Where the oversize is placed.
Oversize Width	Width of the oversize
Oversize Height	Height of the oversize

There is the following possibilities for placing the oversize:

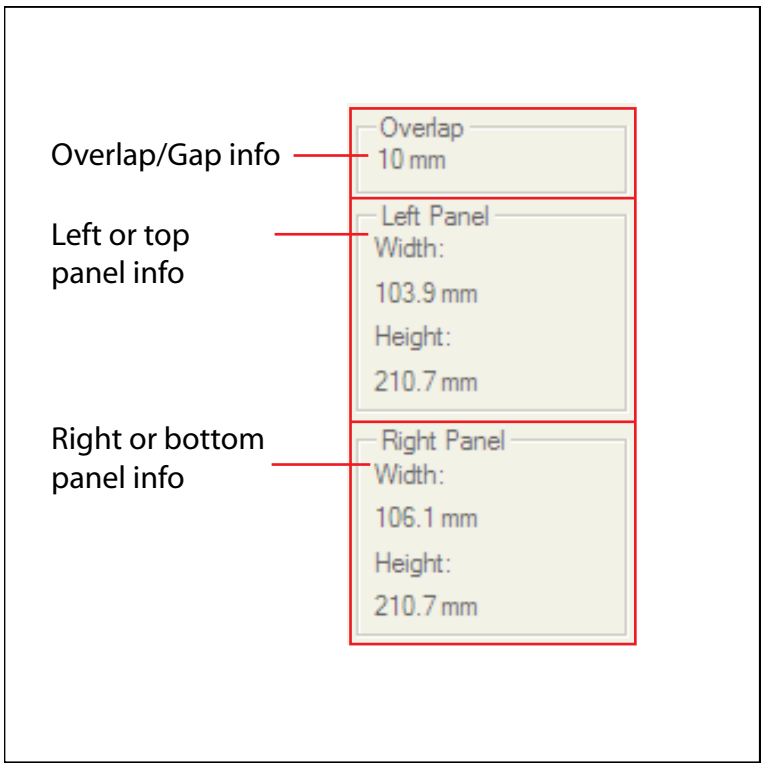


Column	Description
None	The job printed is the same size as the cutting curves.
Inside	Mainly used for rectangle jobs. See Sample 1 and Sample 2
Outside	Used if the cutting curves are created completely in the design programs. Enter the value of the extra space around the job that is needed when printing. See Sample 4

Column	Description
Auto	The system automatically calculates the oversize based on the amount the cutting curves has been offset inside. See Sample 3 . If the curves are without offset or made outside the values will be zero. Use "Outside" to create additional printed space around the job.

Panel Status

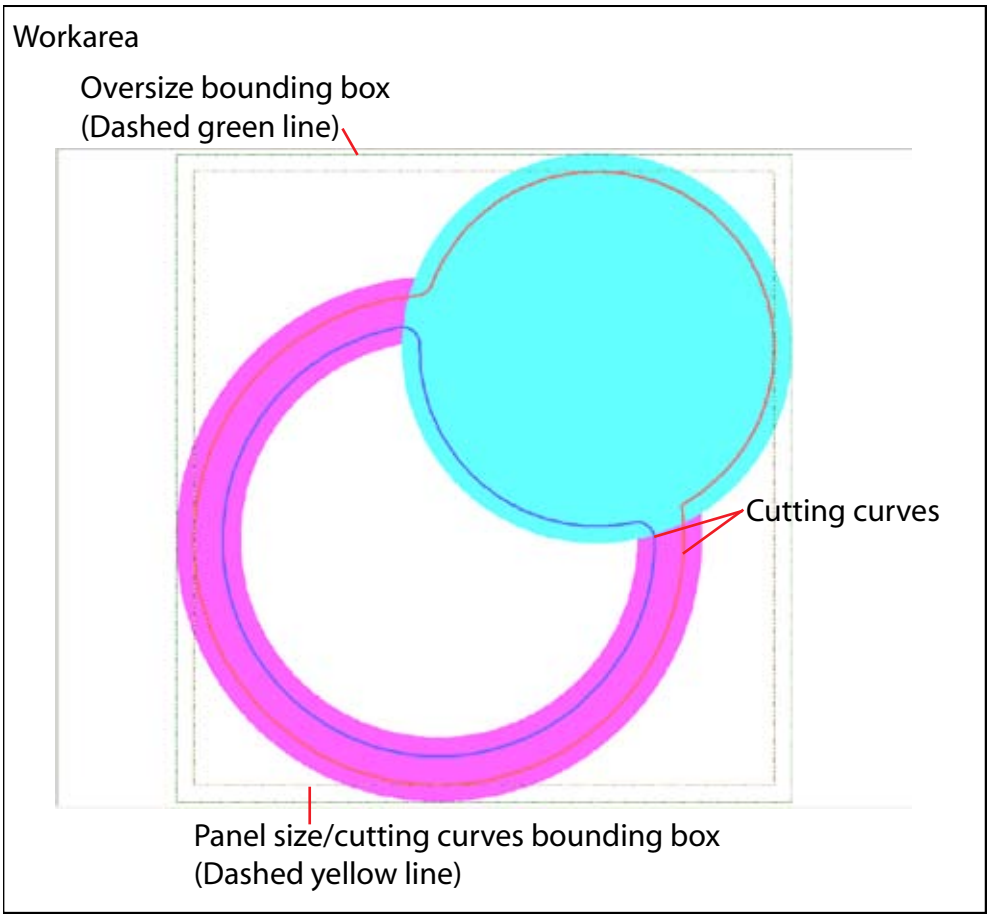
When the cursor is moved inside or on the border between two panels the info below will be updated accordingly.



Area	Description
Overlap/Gap	If there is an overlap or gap between the panels this is the amount.
Left/Top and single panel info	Size of the panel.
Right and bottom panel info	Size of the panel.

Workarea

Workarea



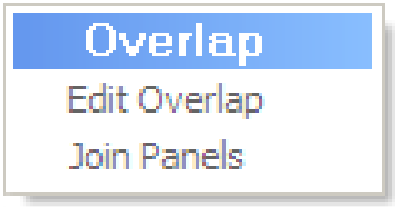
Right clicking inside workarea

There is two types of popup menus that will be displayed. One when the cursor is inside a panel and the other where cursor is on a panel border (Cursor changes to two small arrows).

Panel popup

Menu point	Description
Edit Panel	See Edit Panel
Split column into two	Split this panel column into two columns where the cursor was when right clicking. The split is vertical.
Split row into two	Split this panel row into two rows where the cursor was when right clicking. The split is horizontal.

Overlap popup



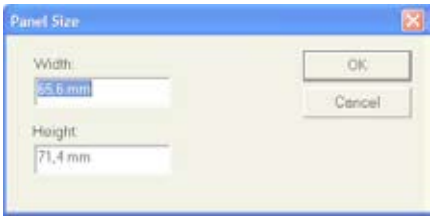
Menu point	Description
Edit Overlap	See Edit Overlap
Join Panels	Two rows/columns of panels are joined together to create one row/column of panels

Dragging panel borders

When the cursor is placed over a panel border the cursor changes shape to two small arrows. It is then possible to click and drag the border of the panels up/down or left/right.

Edit Panel

Panel Size Layout

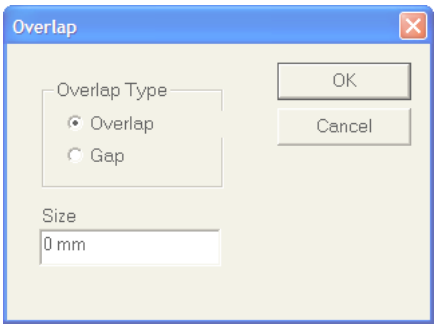


Option	Description
Panel Width	Width of all panels in this column.
Panel Height	Height of all panels in this row.

The bottom left corner of the selected panel does not move. The top right corner is adjusted to match the values entered. The column to the right of the current column is automatically adjusted. The row above the current row is automatically adjusted.

Edit Overlap

Overlap Layout



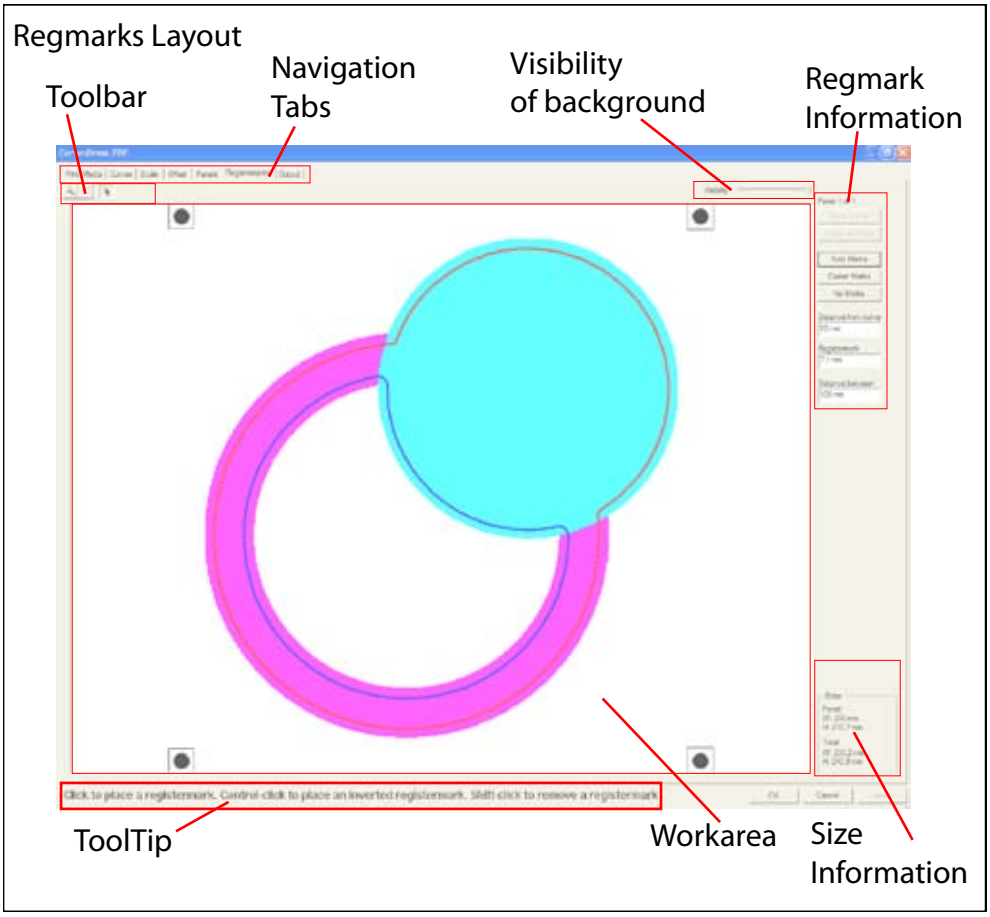
Option	Description
Overlap Type	Use Overlap if the final output after cutting need to have a mounting overlap. Use Gap if the panels have a metal profile between them.
Size	Size of Overlap/Gap

Using Panels

See Appendix F - Samples

Register marks

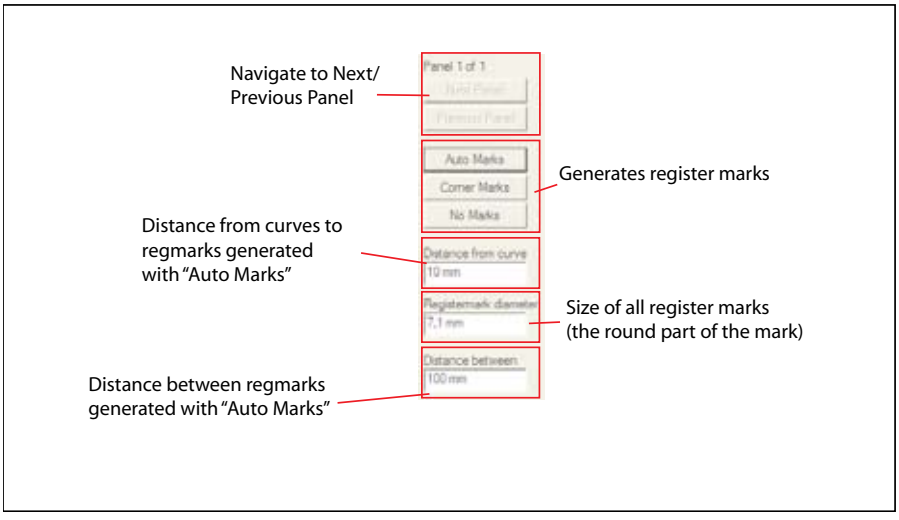
The registration marks are used for the I-Cut camera.



Again the layout is the same as in the Curves tab except from the right hand side.

Regmark information
Size information
Workarea

Regmark information

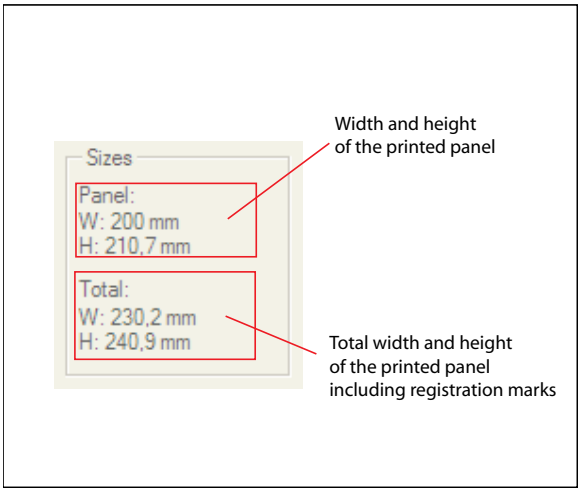


If the job has multiple panels it is possible to navigate to between the panels by clicking the Next/Previous Panel buttons. All panels will by default have registration marks with the size specified in "Register mark diameter" in each corner. This is what is called "Corner Marks".

Clicking the "Auto Marks" will create registration marks with the size specified in "Register mark diameter". All marks will be generated with a distance of "Distance from curve" from the curves. Specify the distance between the regmarks in the "Distance between" input field.

By control clicking the buttons the generated marks will be negative.

Size information



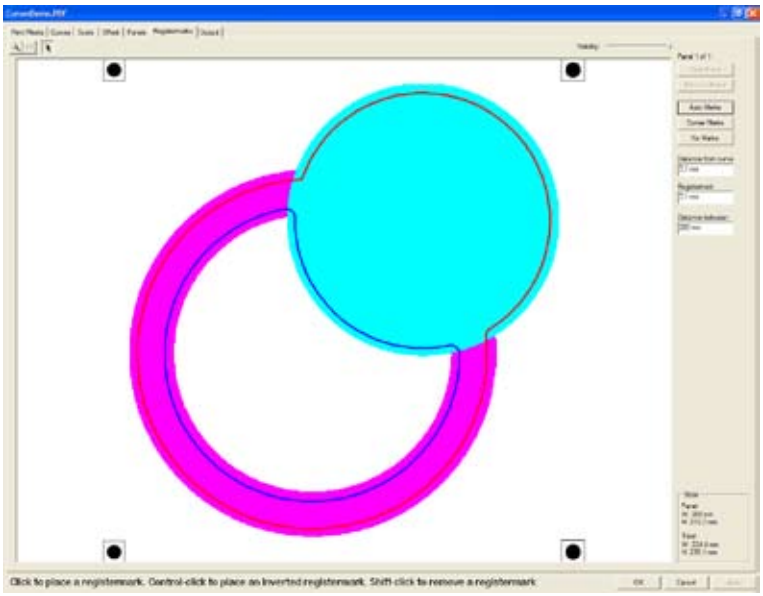
Workarea

Clicking inside the workarea adds an extra register mark in the mouse position. The circle will have the diameter as specified in "Registermark diameter". A negative mark will be generated is the Ctrl key is pressed while clicking in the workarea.

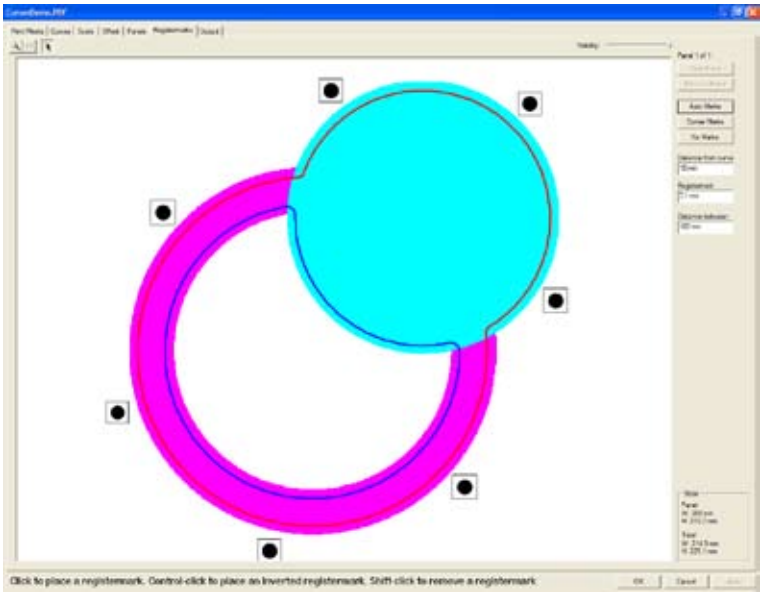
To remove a registermark hold down shift while clicking inside the registration mark.

Using Registermarks

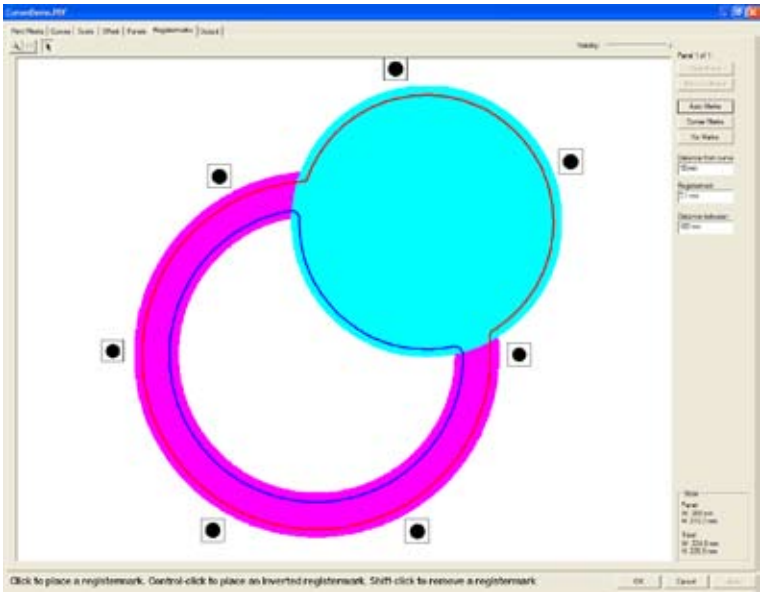
As default the registration marks are placed in the corners



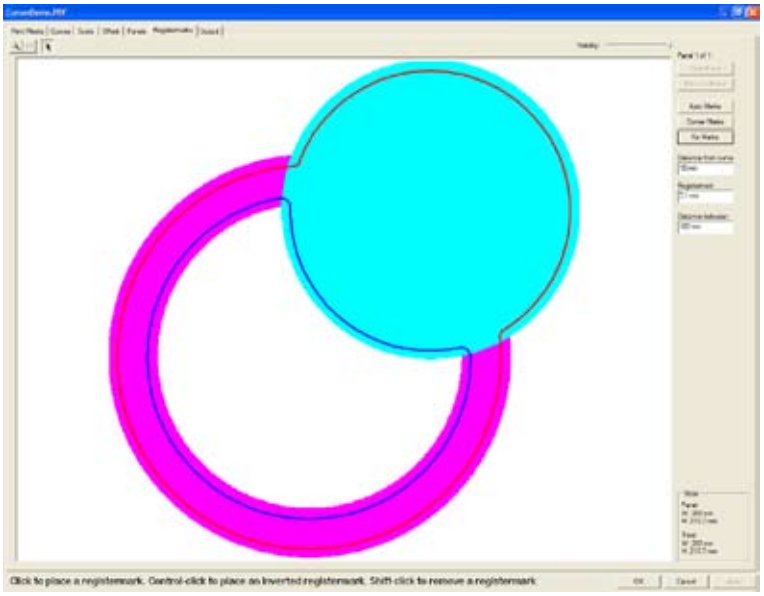
If the "Auto Marks" is clicked a number of registration marks is generated around the job.



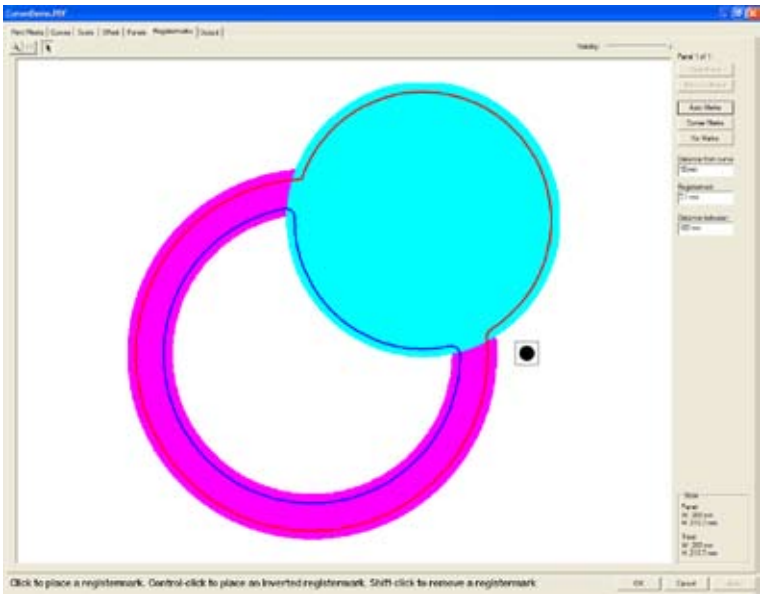
Each time the "Auto Marks" is clicked, registration marks will be placed in a different position



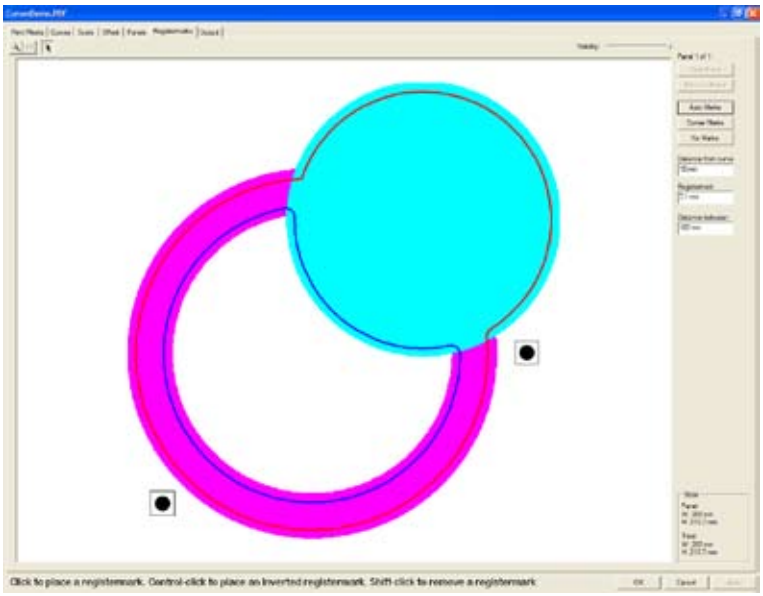
Click the "No Marks" remove all registration marks.



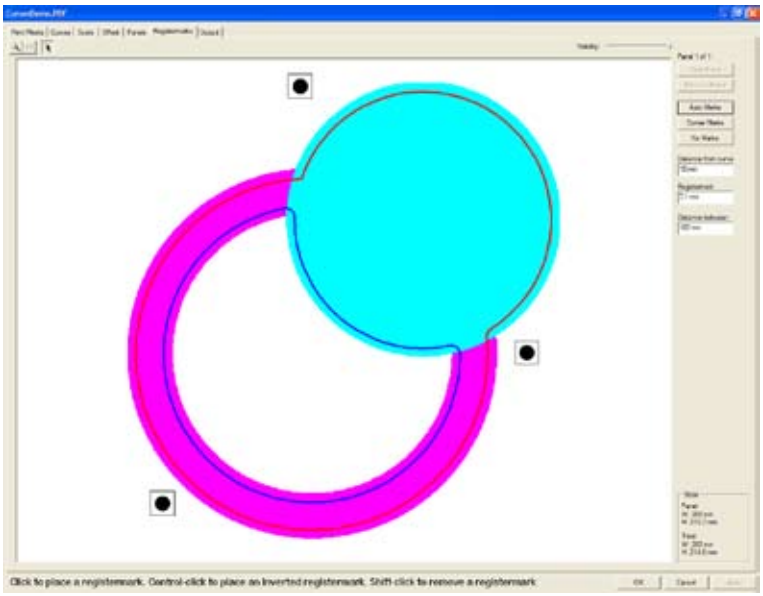
Click inside the workarea to manually add a register mark.



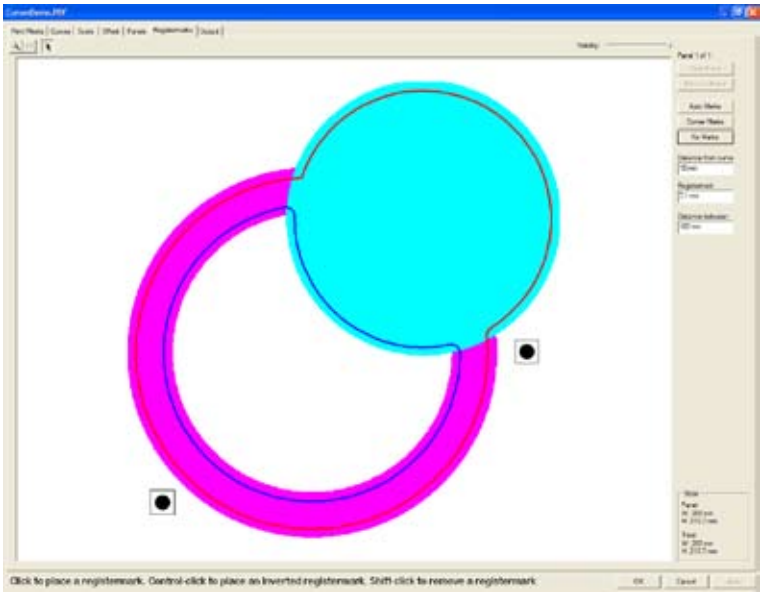
Click again to create a second mark



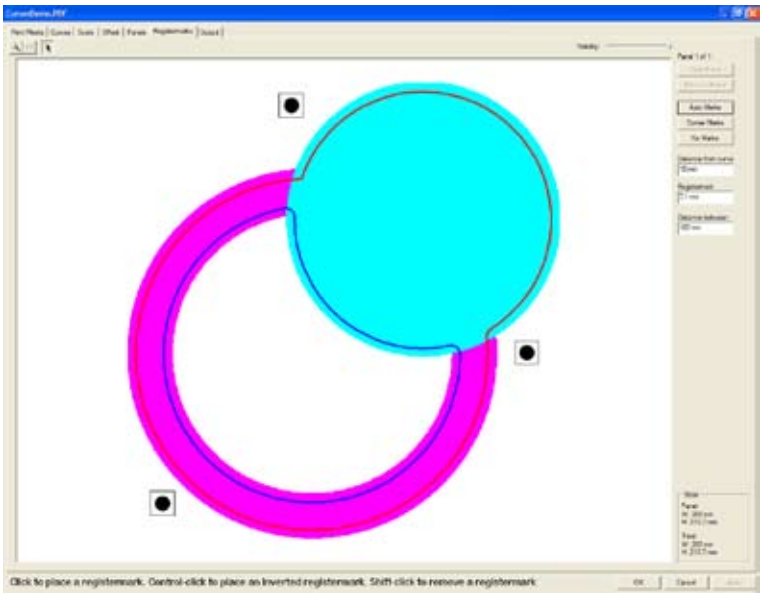
Click again to add a third register mark



Because the third mark increased the "Total" size, remove the mark again by clicking inside it while holding down the shift key.



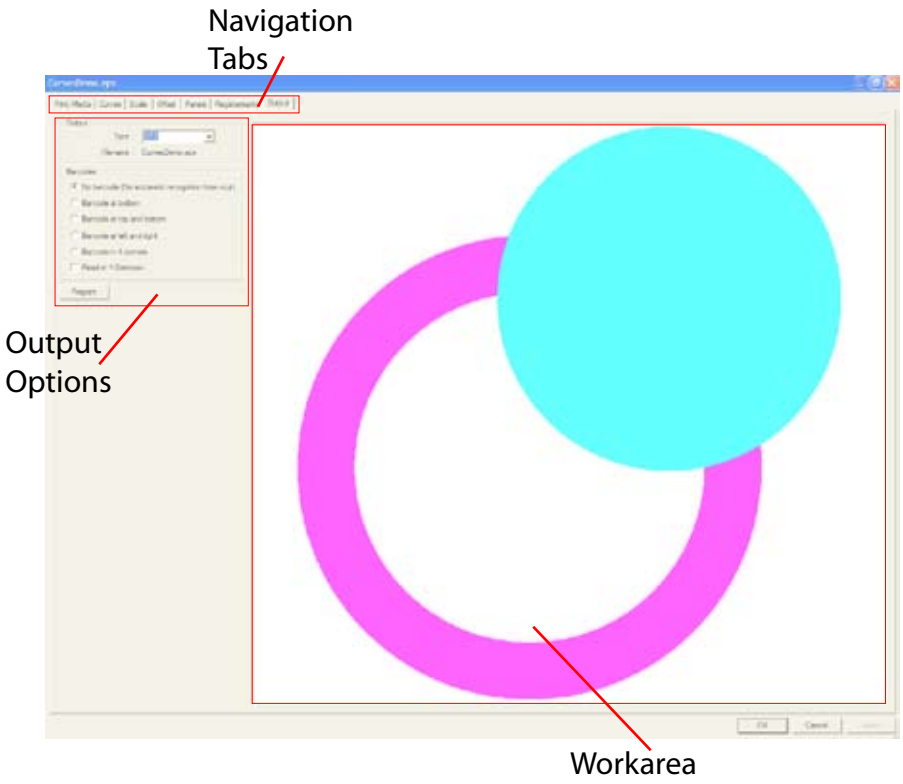
Click again in a different position to add the third register mark without changing the total size this time.



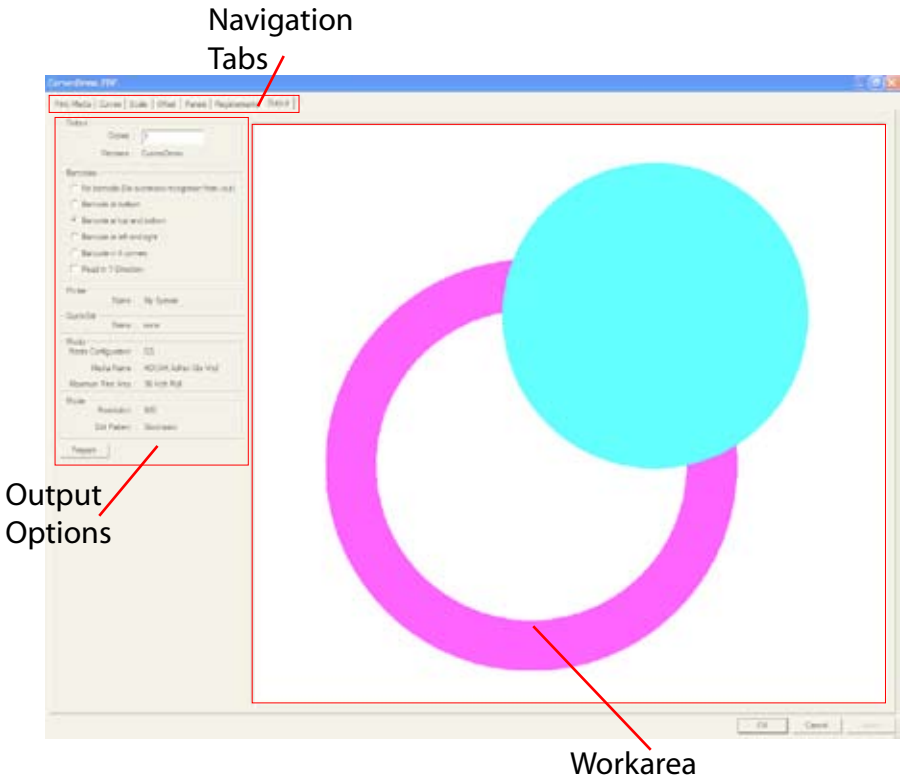
Output

Now the job is basically ready to be produced. The tab is displayed in two different ways.

Output Layout (Not Onyx)

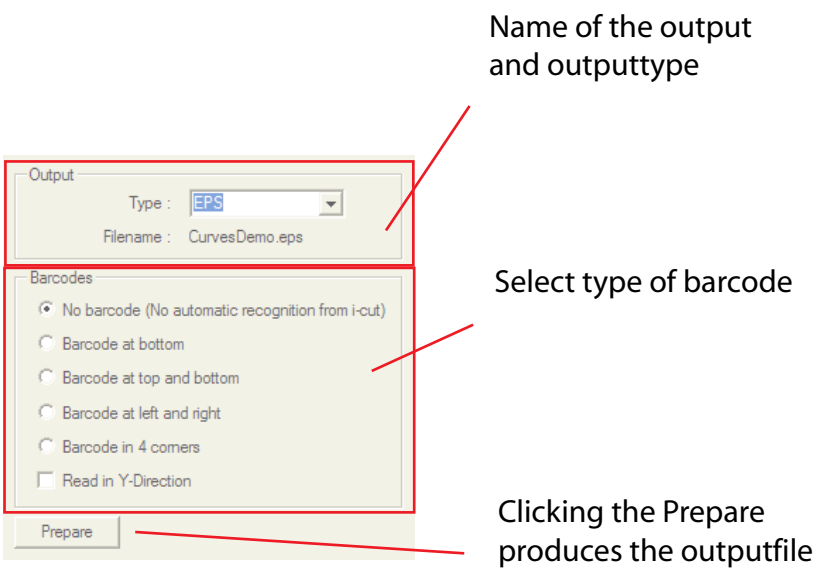


Output Layout (Onyx)

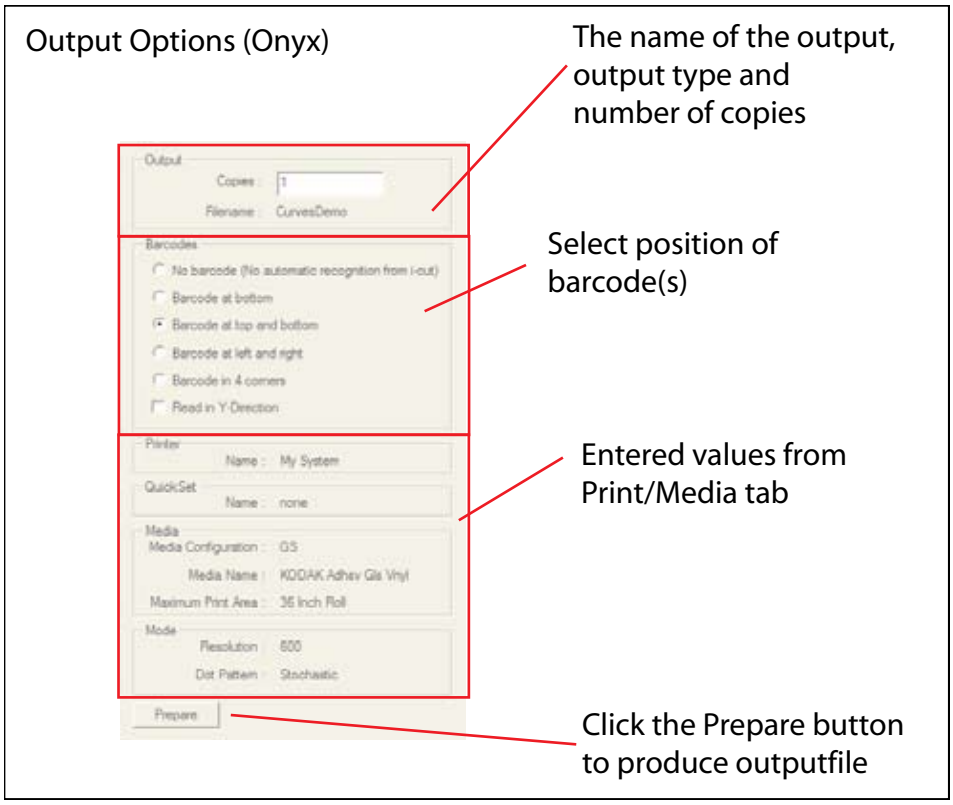


It is the "Type" in the Output section and the system configuration that allows the different options.

Output Options (Not Onyx)



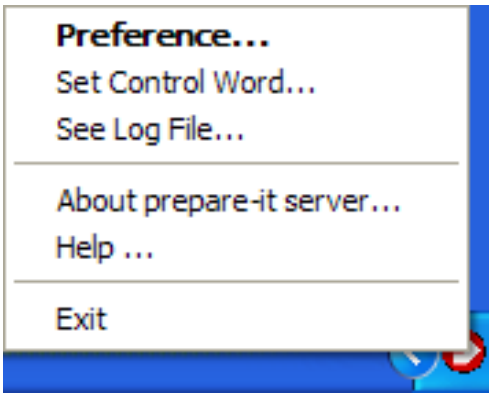
Select the barcode output. See Appendix D - Barcodes to see the possibilities.



Specify the number of copies of the panel and select position of barcodes. See Appendix D - Barcodes .

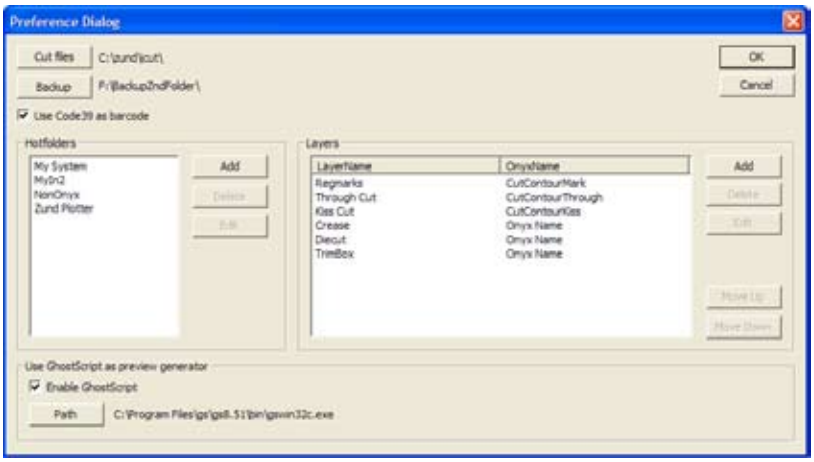
Chapter 4 - Setting up the server

All options are available by right clicking on the server application placed on right hand side of the task bar



Preference

Click the preference menu point in the servers application menu. This will open the following dialog

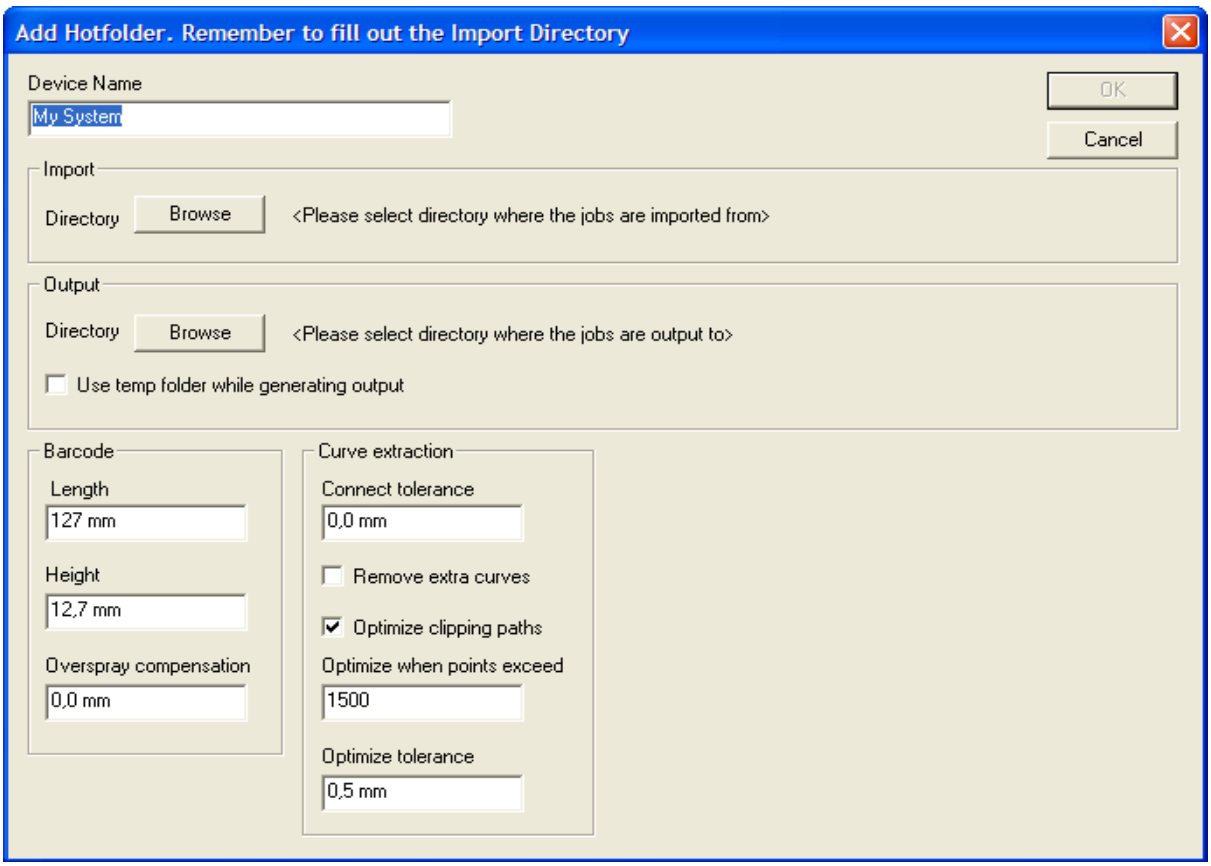


It is possible to create as many hot folders as needed. Normally one is created for each printer.

The layers should relate one to one to the layers define in the I-Cut template. See Appendix B – Connecting to the I-Cut-system.

Adding a hotfolder

Click "Add" in the Hotfolders section.

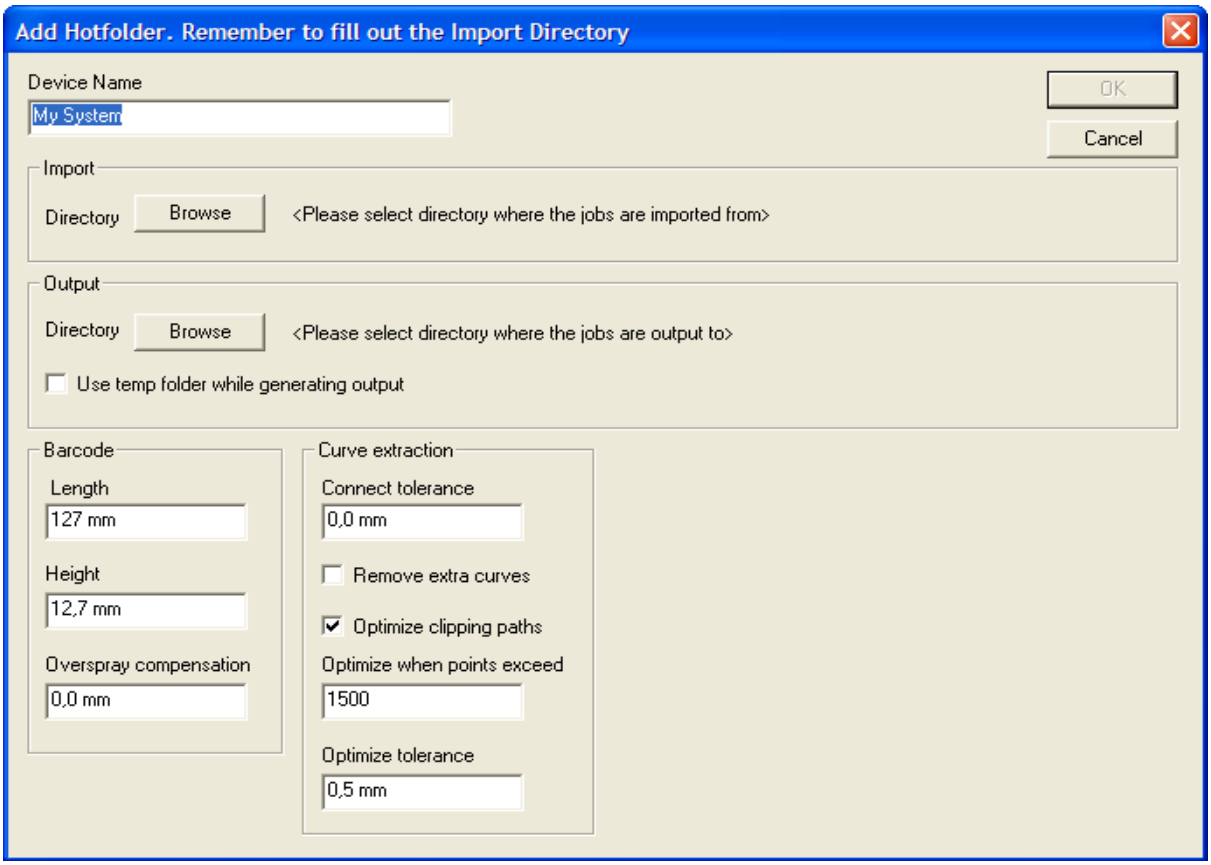


Option	Description
Device Name	Enter the name to identify this hotfolder system
Import Browse	Select/create the directory where new jobs for this hot-folder should be saved/copied/moved by the user
Output Browse	Select/create the directory where output is to be placed. The output directory can be the input of a hot-folder from your rip. If the rip is from Onyx you select the directory that contains a directory named "Info". If you use to directly output into the rips input direc-tory it is a good idea to click the "use temp folder while generating output" on.
Use temp folder while generating output	When selected the output will be completed at a tem-porary place and the final file copied to the destination directory
Barcode	Please see "Appendix D - Barcodes"
Connect tolerance	When the distance between endpoints of an open curve is less that this tolerance the curve is automatically closed
Remove extra curves	Remove extra curves that the system does not think is needed. The value can be overridden in reprocess dialog

Option	Description
Optimize clipping paths	If "On" and the number of curve points exceeds the specified value the clipping path is optimized
Optimize when points exceed	Number of curve points
Optimize tolerance	Max distance the optimized curve must differ from the original clipping path

Editing a hotfolder

Select the relevant row and click "Edit" in the Hotfolders section.



Option	Description
Device Name	Enter the name to identify this hotfolder system
Import Browse	Select/create the directory where new jobs for this hot-folder should be saved/copied/moved by the user
Output Browse	Select/create the directory where output is to be placed. The output directory can be the input of a hot-folder from your rip. If the rip is from Onyx you select the directory that contains a directory named "Info". If you use to directly output into the rips input directory it is a good idea to click the "use temp folder while generating output" on.

Option	Description
Use temp folder while generating output	When selected the output will be completed at a temporary place and the final file copied to the destination directory
Barcode	Please see "Appendix D - Barcodes"
Connect tolerance	When the distance between endpoints of an open curve is less that this tolerance the curve is automatically closed
Remove extra curves	Remove extra curves that the system does not think is needed. The value can be overridden in reprocess dialog
Optimize clipping paths	If "On" and the number of curve points exceeds the specified value the clipping path is optimized
Optimize when points exceed	Number of curve points
Optimize tolerance	Max distance the optimized curve must differ from the original clipping path

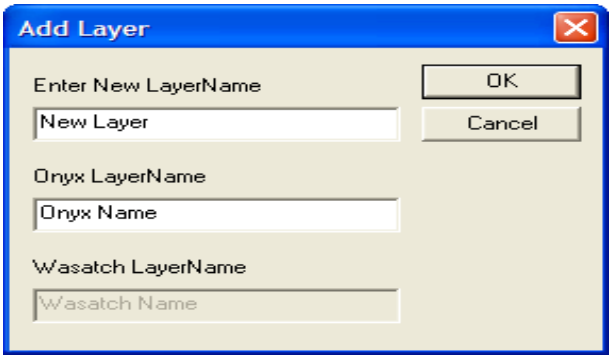
Deleting a hotfolder

Select the relevant row and the click "Delete" in the Hotfolders section.

Click the Yes button to delete the hotfolder. To keep the hotfolder click No

Adding a layer

Click the "Add" in Layer section to open this dialog

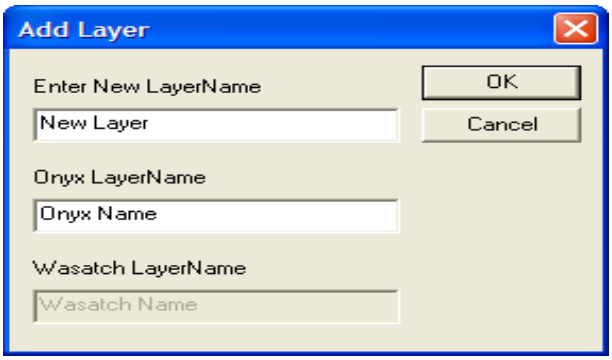


Option	Description
Enter New LayerName	Enter the layer name that is used in I-Cut
Onyx LayerName	Enter the layer name that is used in Onyx
Wasatch LayerName	Enter the layer name that is used in Wasatch

Click OK when the editing is done to create the layer

Editing a layer

Click "Edit" in the Layer section to open this dialog

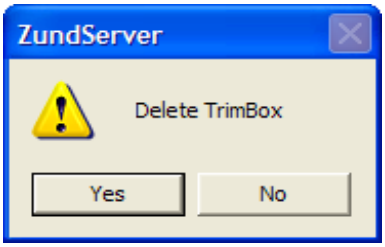


Option	Description
Enter New LayerName	Enter the layer name that is used in I-Cut
Onyx LayerName	Enter the layer name that is used in Onyx
Wasatch LayerName	Enter the layer name that is used in Wasatch

Click OK when the editing is done to save the changes to the layer

Deleting a layer

Select the relevant row and the click the Delete in the Layers group.



Click the Yes button to delete the layer. To keep the layer click No

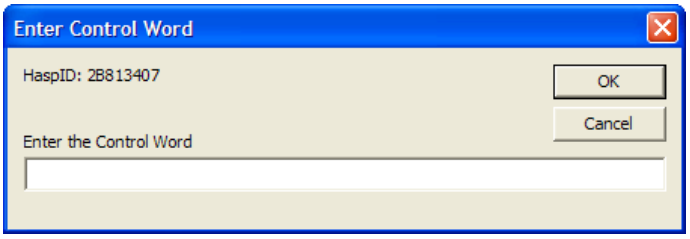
Using Ghostscript®

Please see Appendix E - Using Ghostscript®

Change barcode type

Please see Appendix D - Barcodes

Set Control Word

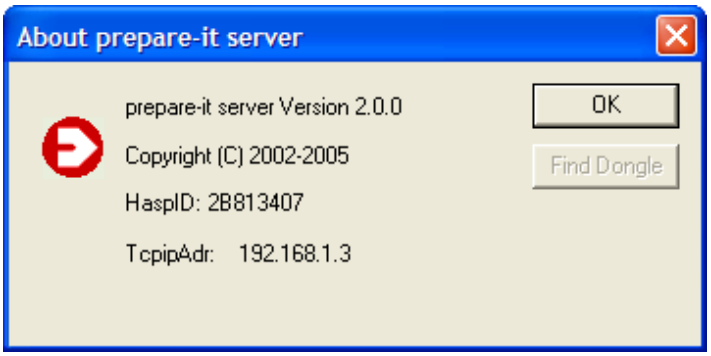


Key in the control word provided by your software provider and click OK. The system will validate the control word and report back if the word has been entered correctly.

See Log file

Opens the servers log file in the default ".txt" editor. This log file contains every action the server makes.

About Océ ProCut Prepress server



The servers TCPIP address(es) is displayed in the About dialog.

If the server program detects the dongle the HaspID is displayed as well. If the dongle is not detected the server will only work in demo mode. In demo mode it is not possible to prepare any jobs.

Help

Open this file.

Appendix A – Installation and configuration of Océ ProCut Prepress

Planning an installation

It is recommended to install the SW programs involved in Océ ProCut Prepress workflow

In following order.

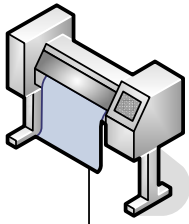
Decide which machines are involved in configuration.
PC workstations, Mac workstations, I-cut PC, and RIP stations

Check, and make list of all IP addresses to use when setting up
Océ ProCut Prepress client/server.

On the RIP station share the hotfolders needed for Océ ProCut Prepress server
If Onyx are used all Quicksets must be generated so correct media/device list is shown in Océ ProCut Prepress

Install Océ ProCut Prepress server and make configuration of all printer devices involved.
Make sure that shared folders are visible on both PC and Mac.
Also make I-cut matching tools names for export to I-cut.
Install Océ ProCut Prepress client on all PC and Mac where client is needed.

Install I-cut and make the necessary steps of setting up I-cut to work with import files from Océ ProCut Prepress.



UV Printers:
Zünd – Durst – Nur –
Vutek – Scitek – Inca -
etc.
Inkjet Printer:
HP – Roland – Mimaki -
Seiko – Mutoh - etc.

RIP server:
Onyx – Wasatch – Colorburst – HP – Caldera - etc.

Map the shared folder //servername/printer-out (this is the prepare-it output folder
PDF and EPS files with registermarks and barcode for printing)
Special Onyx hotfolder can also be setup via prepare-it server see manual.

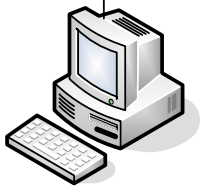
Win 2000/XP with Static IP
IP: 192.168.0.10
Sub: 255.255.255.0

Prepare-it server
Shared hotfolders from prepare-it and I-cut cutfiles
//servername/printer-in
//servername/printer-out
//servername/cutfiles

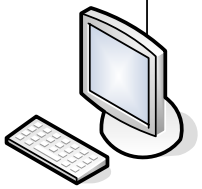
I-cut computer Win2000/XP
Map shared prepare-it folder //servername/cutfiles
Configure I-cut to import from mapped folder (see manual)

Serial rs232

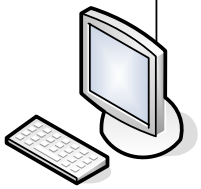
IP: 192.168.0.11
Win2000



IP: 192.168.0.12
WIN XP



IP: 192.168.0.13
Mac OSX



IP: 192.168.0.14
MAC OSX Tiger

Workstation Win2000/XP - Mac OSX/Tiger
DHCP allowed, but must be in same Subnet as prepare-it server
Map the shared folder //servername/printer-in (this is the prepare-it hotfolder where PDF and EPS files are copied to)
Specify in prepare-it client the prepare-it server ip address 192.168.0.10

Installing the server on Windows XP/2000

Installing the Océ ProCut Prepress Key

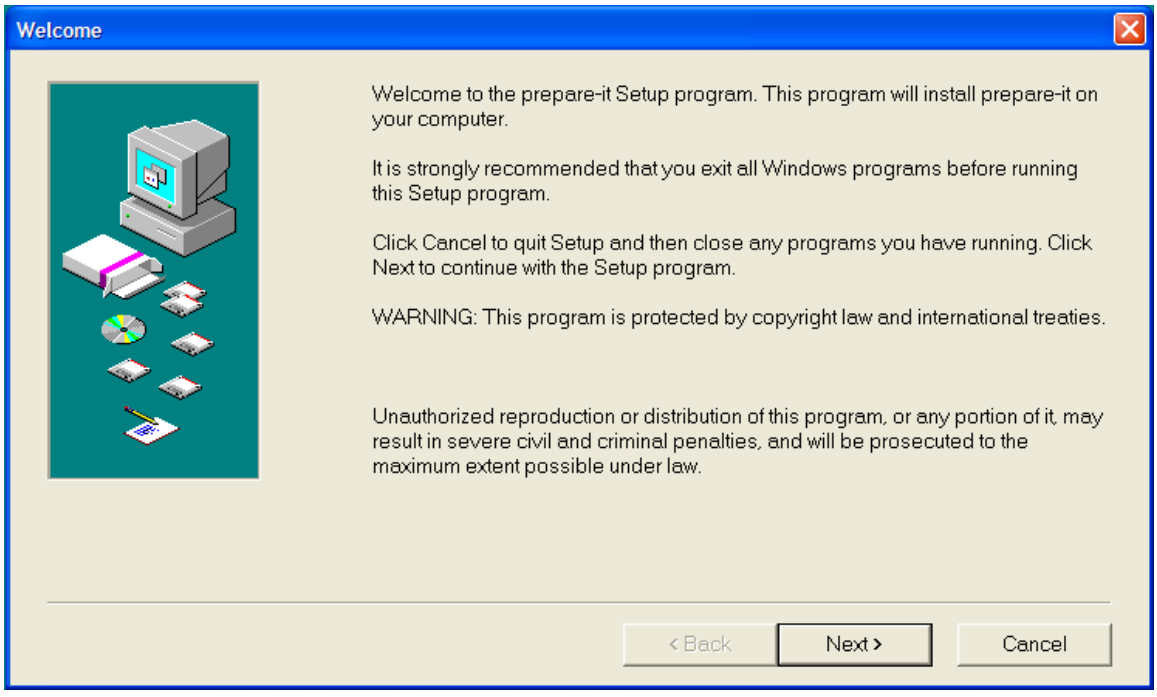
Océ ProCut Prepress will not function without hardware key. The key protects Océ ProCut Prepress from being unlawfully copied and must be connected to your Server computer whenever you use Océ ProCut Prepress. You should always keep the key plugged in your Server. If no key are inserted, Océ ProCut Prepress will run in demo-mode.

To install the Océ ProCut Prepress key

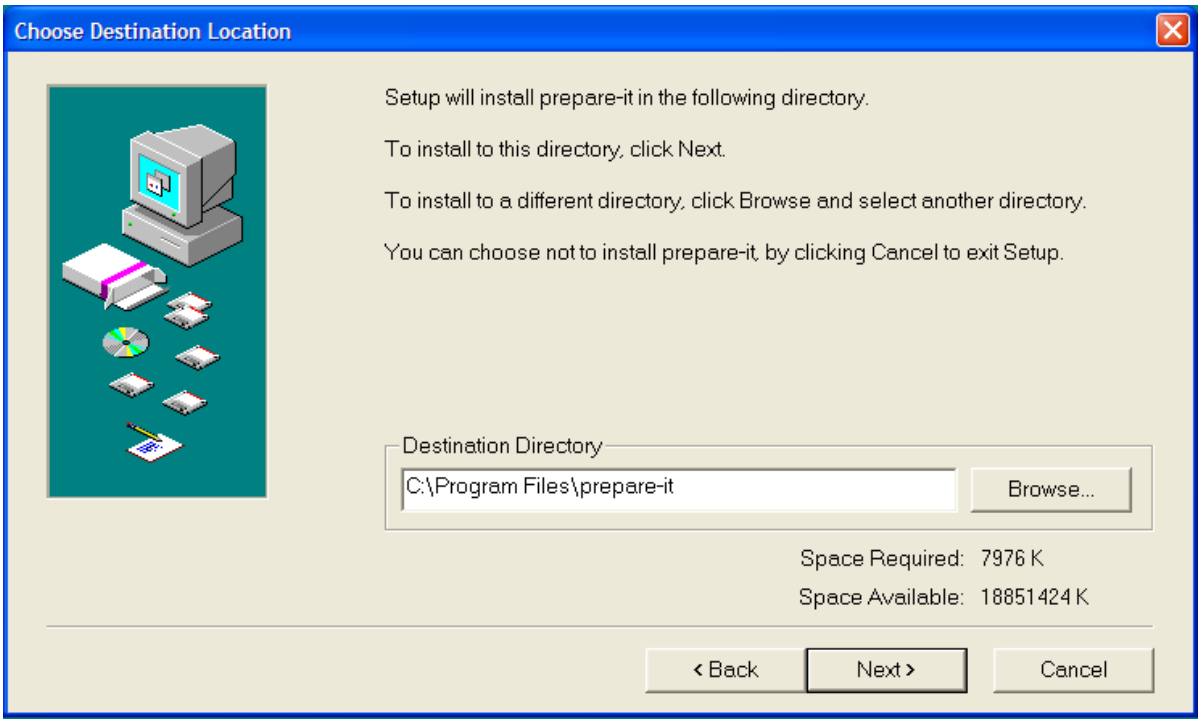
Plug the hardware key into the USB port on the Server.

Installing Océ ProCut Prepress

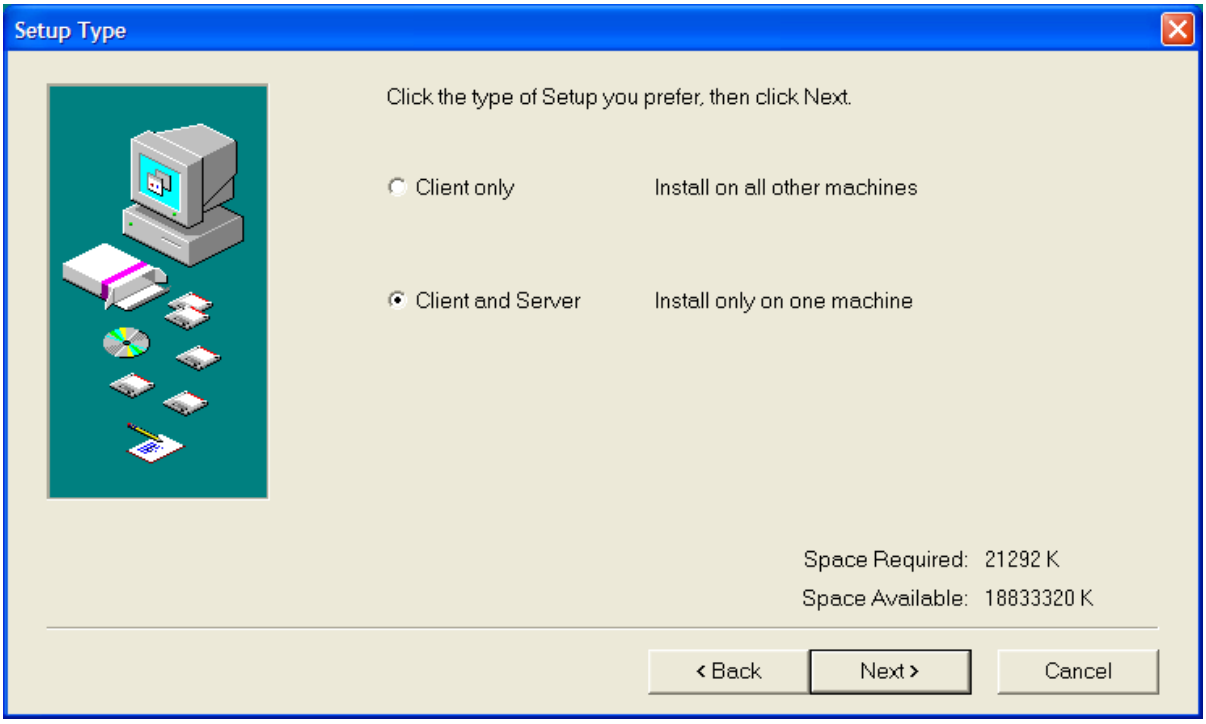
Insert the Installation CD in your CD-drive. The installation program will automatically start the wizard.


Welcome
Welcome to the prepare-it Setup program. This program will install prepare-it on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel

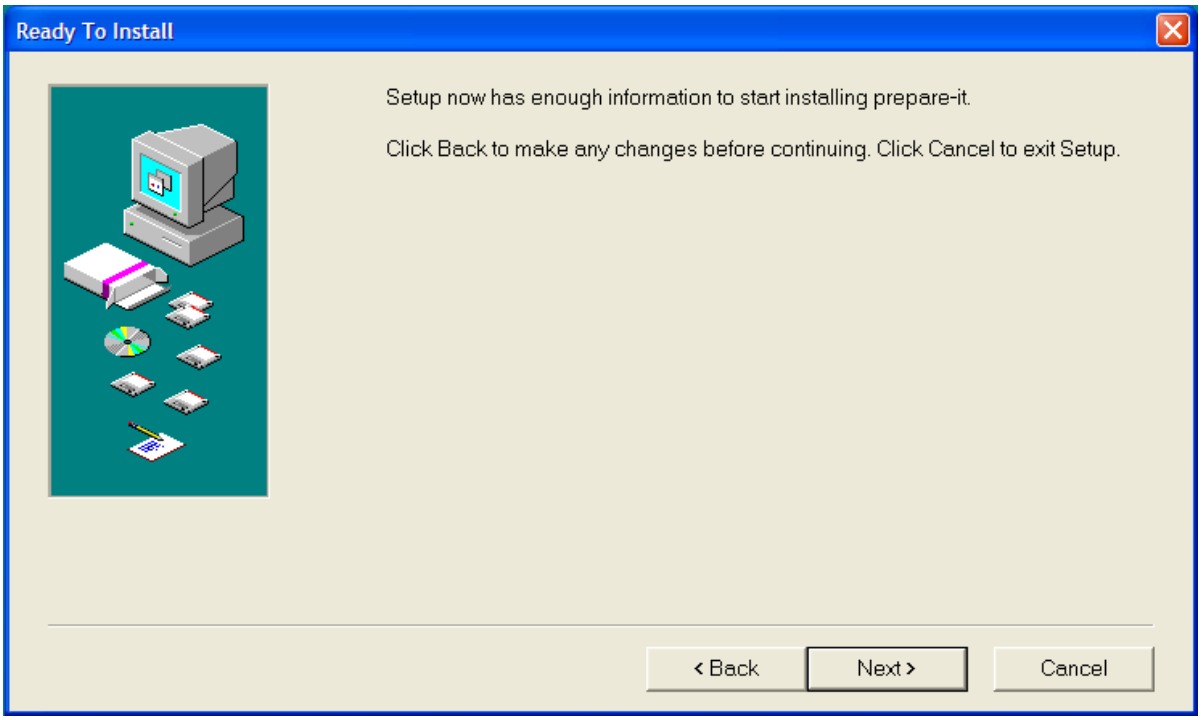
To continue, click Next


Choose Destination Location
Setup will install prepare-it in the following directory.
To install to this directory, click Next.
To install to a different directory, click Browse and select another directory.
You can choose not to install prepare-it, by clicking Cancel to exit Setup.
Destination Directory
C:\Program Files\prepare-it
Browse...
Space Required: 7976 K
Space Available: 18851424 K
< Back
Next >
Cancel

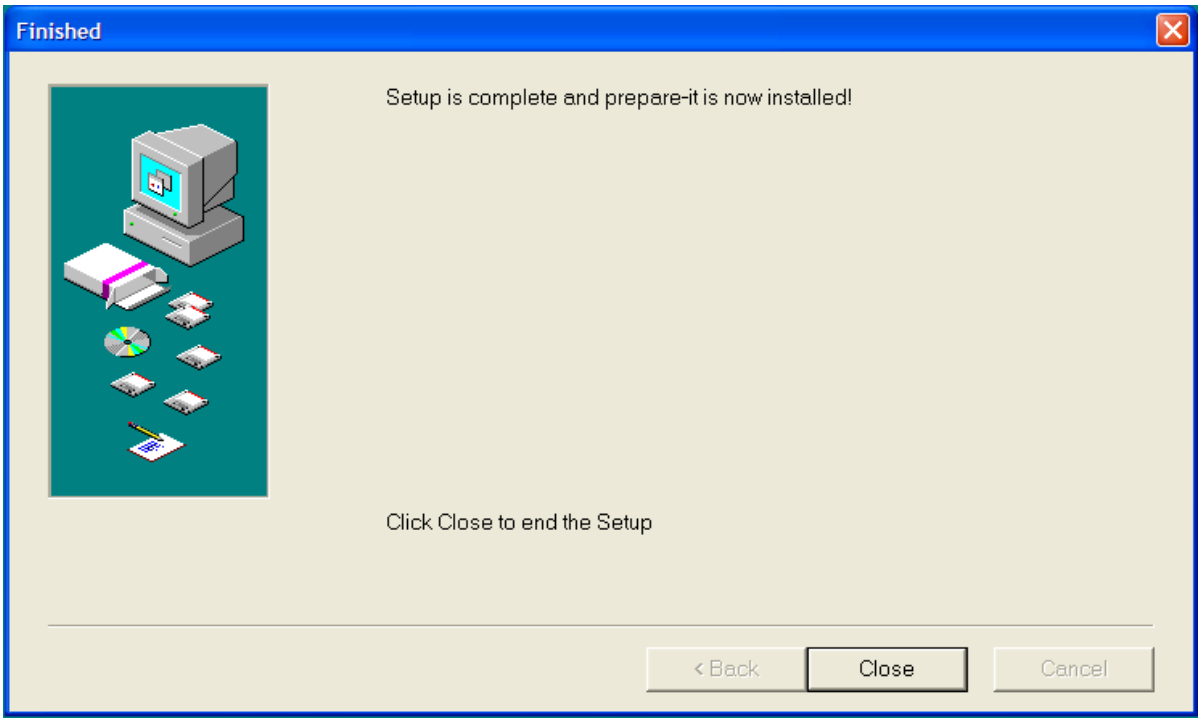
Select folder where Setup will install files.
To continue, click next.


Setup Type
Click the type of Setup you prefer, then click Next.
Client only
Install on all other machines
Client and Server
Install only on one machine
Space Required: 21292 K
Space Available: 18833320 K
< Back
Next >
Cancel

Select Client and Server version type to install


Ready To Install
Setup now has enough information to start installing prepare-it.
Click Back to make any changes before continuing. Click Cancel to exit Setup.
< Back
Next >
Cancel

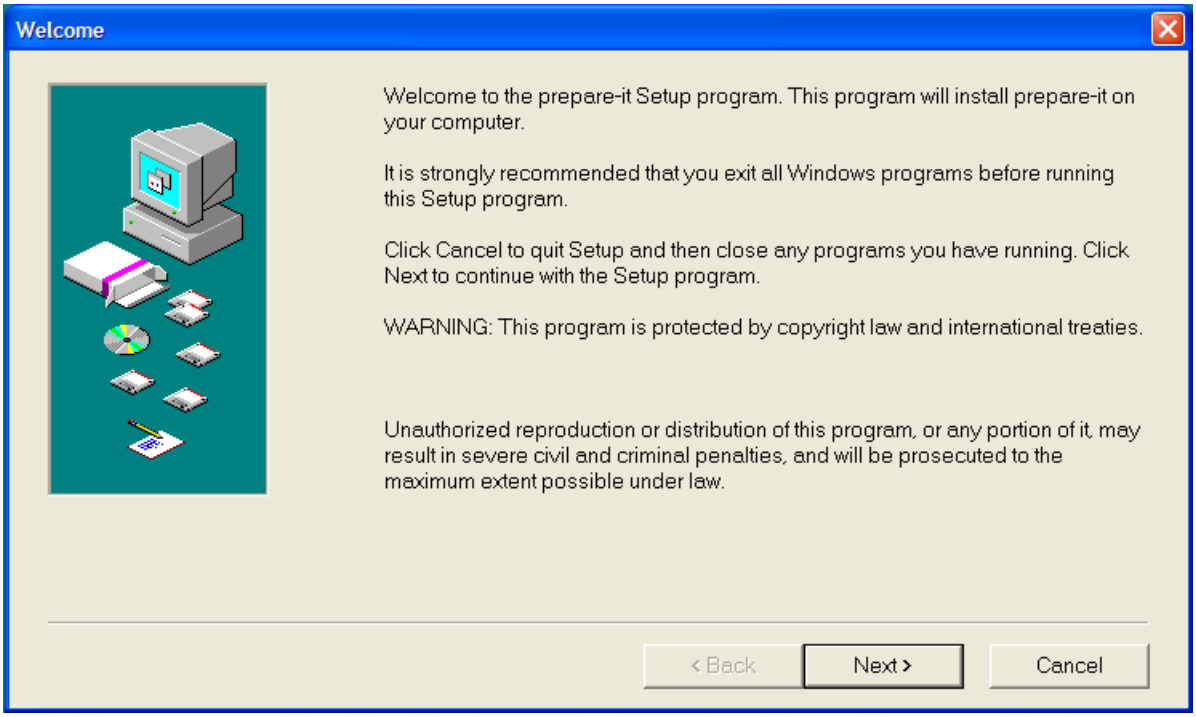
Review settings before copying files and click next.



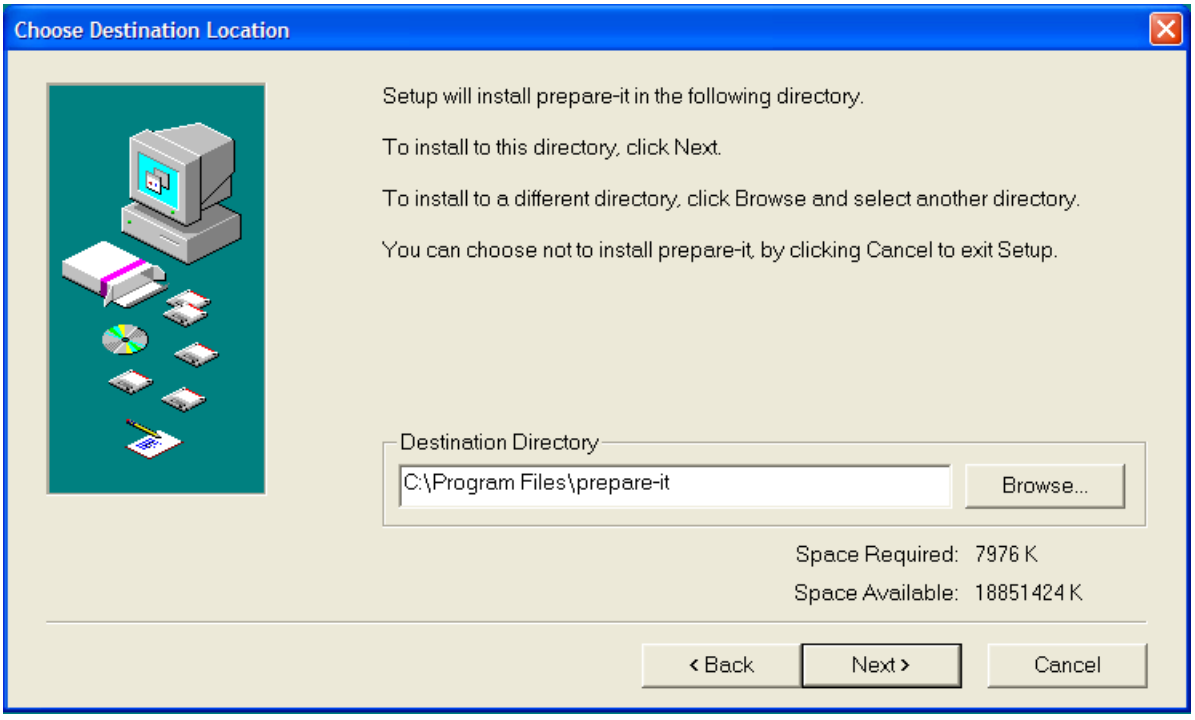
Setup wizard has now successfully finished the installation.

Installing the client on Windows XP/2000

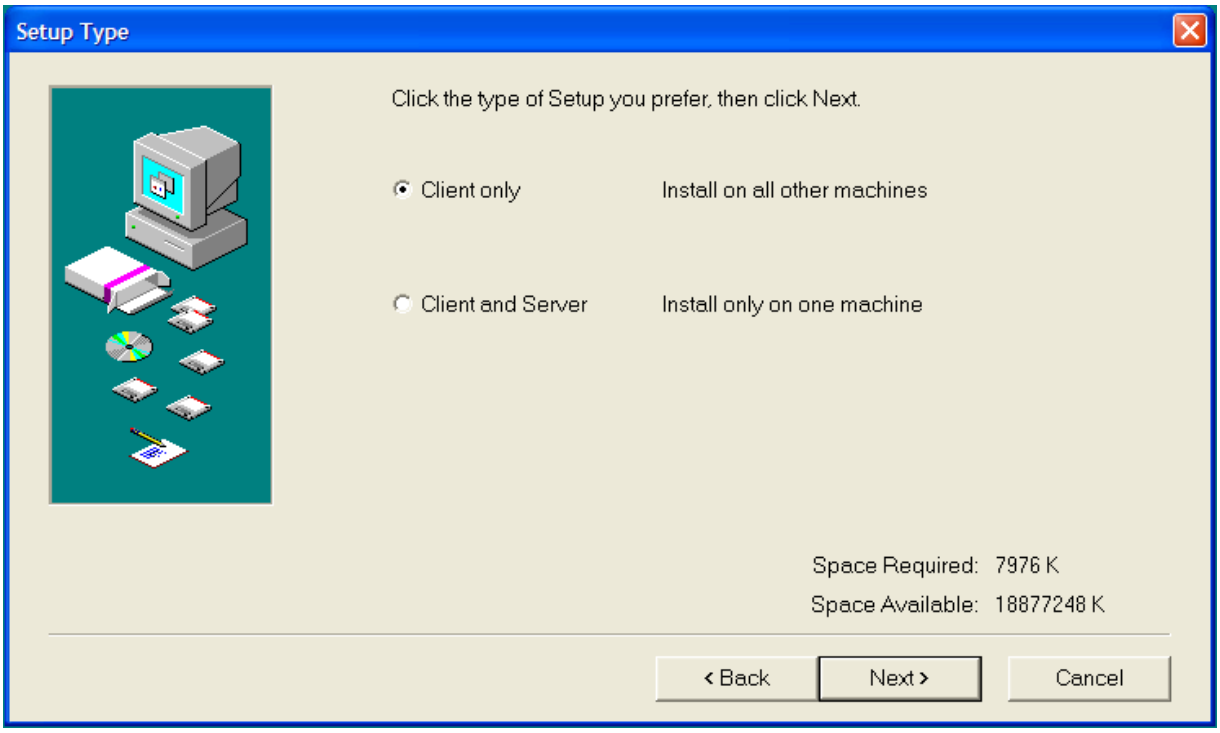
Insert the Installation CD in your CD-drive. The installation program will automatically start the wizard.


Welcome
Welcome to the prepare-it Setup program. This program will install prepare-it on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel

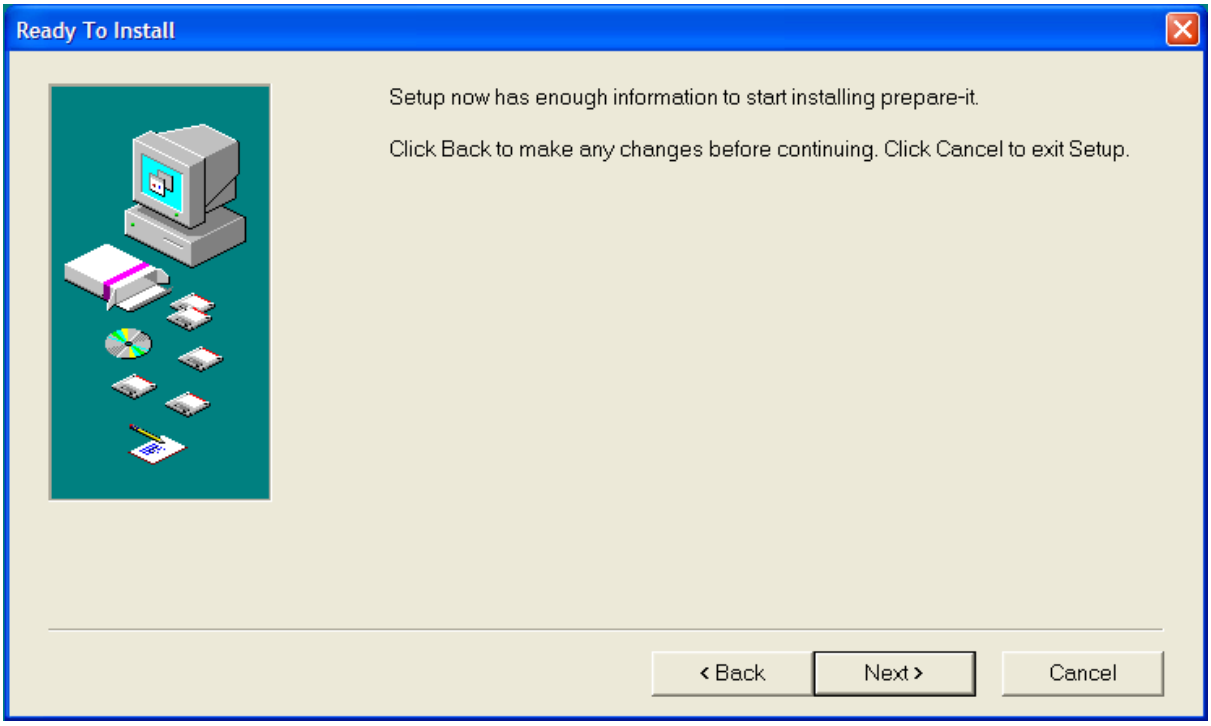
To continue, click Next


Choose Destination Location
Setup will install prepare-it in the following directory.
To install to this directory, click Next.
To install to a different directory, click Browse and select another directory.
You can choose not to install prepare-it, by clicking Cancel to exit Setup.
Destination Directory
C:\Program Files\prepare-it
Browse...
Space Required: 7976 K
Space Available: 18851424 K
< Back
Next >
Cancel

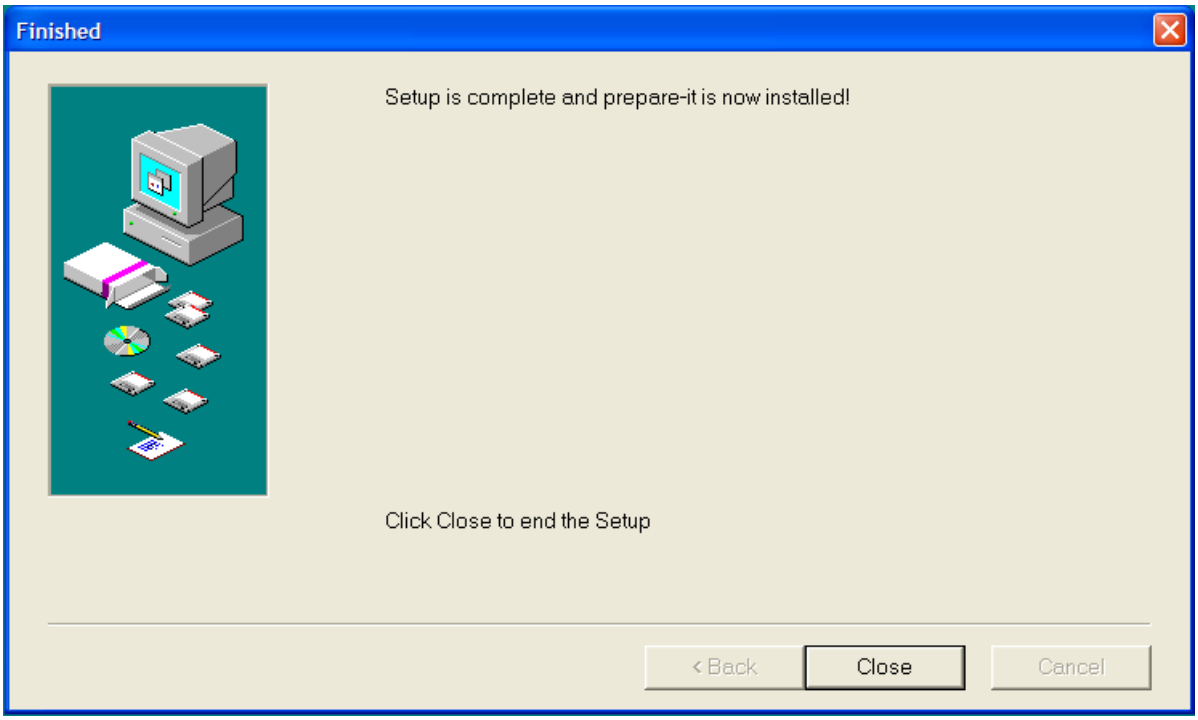
Select folder where Setup will install files.
To continue, click next.


Setup Type
Click the type of Setup you prefer, then click Next.
Client only
Install on all other machines
Client and Server
Install only on one machine
Space Required: 7976 K
Space Available: 18877248 K
< Back
Next >
Cancel

Select Client version type to install


Ready To Install
Setup now has enough information to start installing prepare-it.
Click Back to make any changes before continuing. Click Cancel to exit Setup.
< Back
Next >
Cancel

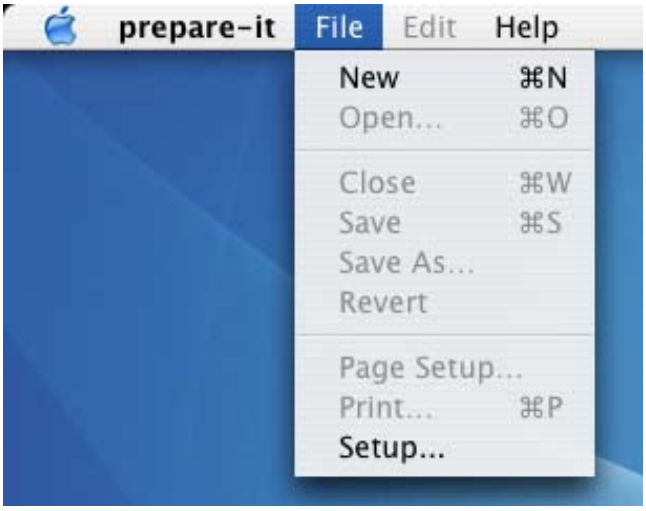
Review settings before copying files and click next.



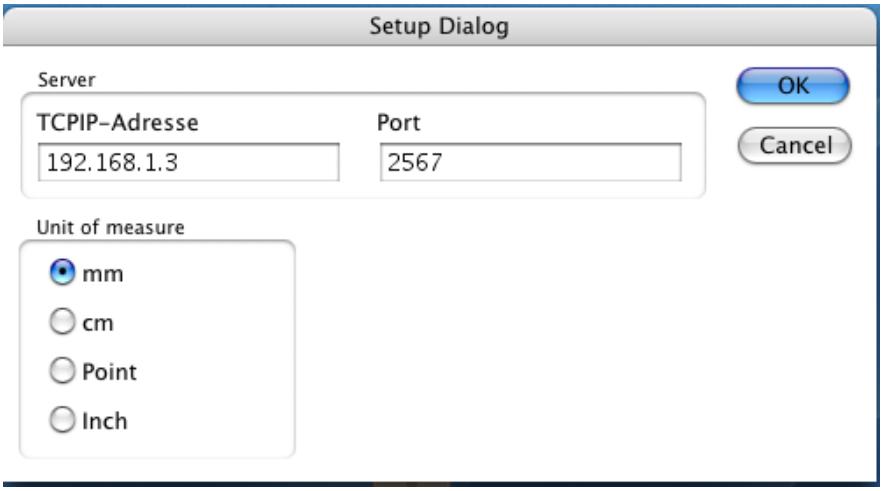
Setup wizard has now successfully finished the installation.

Installing the client on Mac OS-X

Unpack the "PrepareIt xxx.sit" and copy the "Océ ProCut Prepress" to a convenient place. Double click the "Océ ProCut Prepress" application.



Select File and Setup.



In the Server "TCPIP-Address" enter the servers tcpip address from About Océ ProCut Prepress server.

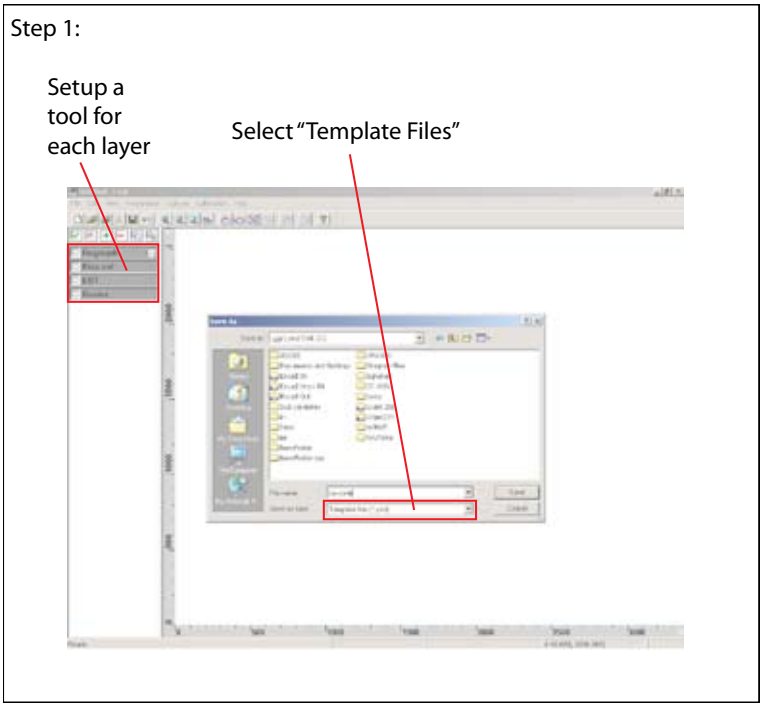
Appendix B - Connecting to the I-Cut-system

Start by creating a job through Océ ProCut Prepress with at least one curve in all layers. When the job is finished in Océ ProCut Prepress a cut file is created.

Creating an I-Cut template for Océ ProCut Prepress

Import the Océ ProCut Prepress cut file In the "CutFiles" path specified in Océ ProCut Prepress server preference. In this directory is one or more subdirectories. They are all named the same way "yymmdd". Open the directory for today and locate the cutfile created by Océ ProCut Prepress.
For each layer select and assign the correct tool. Click the "Save As" button and click the filetype popup and select "Template Files". Save the file on the local harddisk.

Step 1:

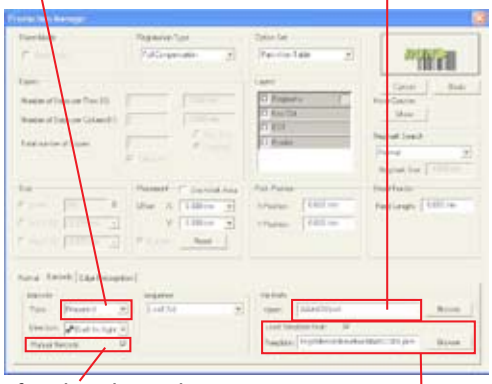


Setting up I-Cut to read Océ ProCut Prepress barcodes

Step 2:

Set this popup to prepare-it

Set this path to the value under "Cut Files" in the prepare-it server preference



Turn on if Code39 barcodes

Select the "Load Template First" and browse to the template just created.

Appendix C - Connecting to Onyx 6.0

Make Océ ProCut Prepress deliver data directly into Onyx:

Please see the output section of the Editing a hotfolder in the Océ ProCut Prepress servers preference.

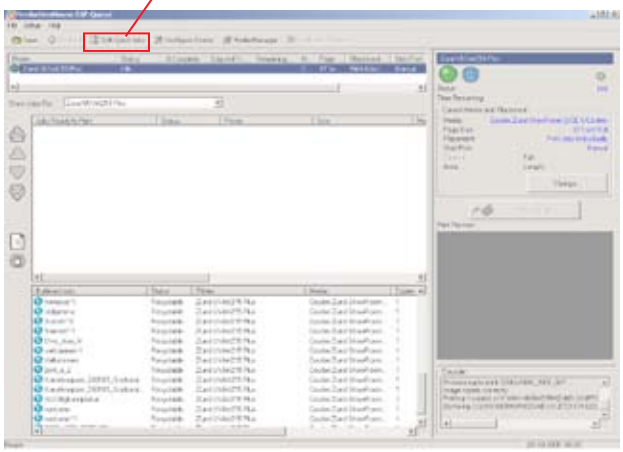
Using I-Script with Onyx:

There are two parts involved in setting up Onyx to generate I-Script files for I-Cut.
Start the Onyx ProductionHouse program and do the following.

Part 1 : Setting up the quick sets

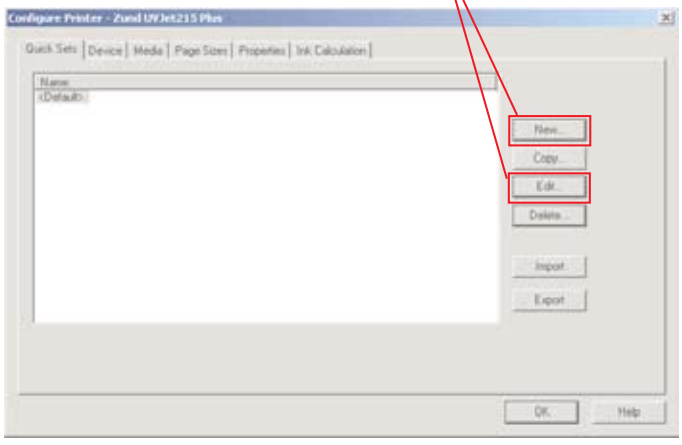
Step 1:

Click here to create/edit
the quick sets

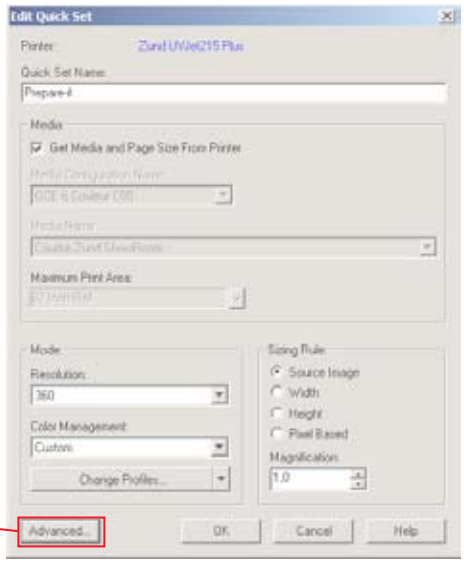


Step 2:

Click here to create/edit
the quick set

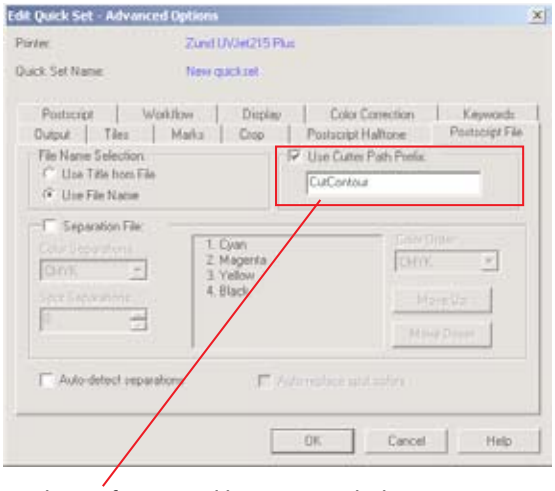


Step 3:



Click the Advanced button

Step 4:



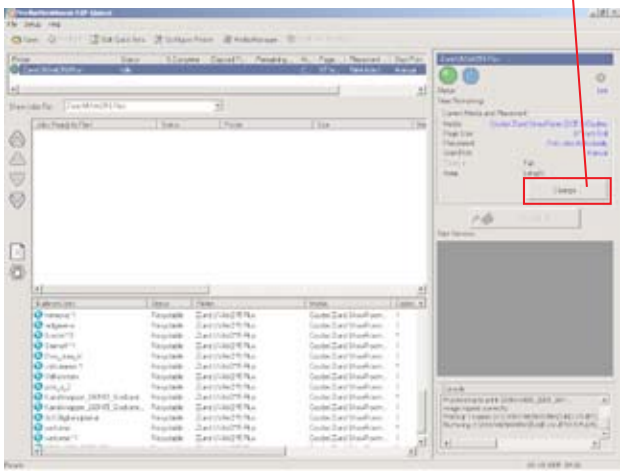
Note/change the prefix entered here to match the PrepareIt servers OnyxNames.

In this case where the Prefix is called CutContour the registration layer (Regmarks) is called "CutContourMark". The other layers are then called "CutContour0", "CutContour1", "CutContour2" etc.
Make sure that the OnyxName in the layers section of the Editing a hotfolder in the Océ ProCut Prepress servers preference is set correctly.

Part 2: Activating the barcodes for the I-Script system

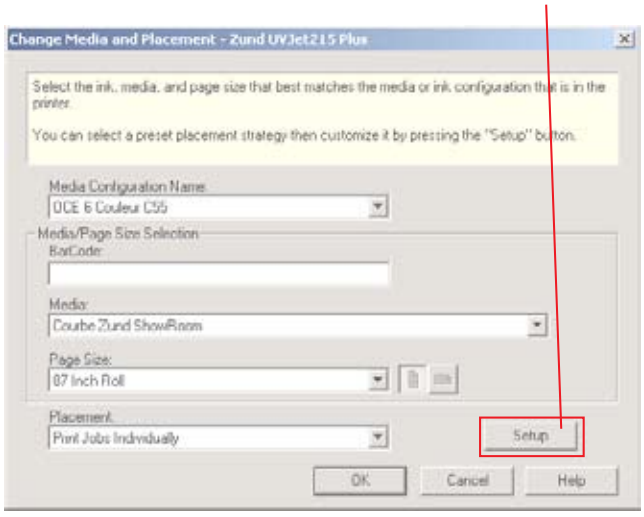
Step 1:

Click here to enable start enabling the barcodes



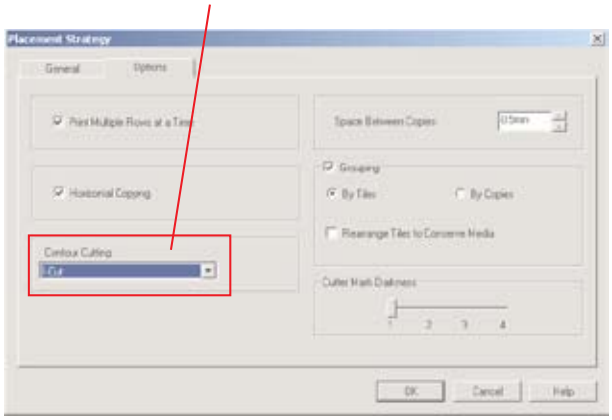
Step 2:

Click here


Change Media and Placement - Zund UVJet215 Plus
Select the ink, media, and page size that best matches the media or ink configuration that is in the printer.
You can select a preset placement strategy then customize it by pressing the "Setup" button.
Media Configuration Name:
OCE 6 Couleur C55
Media/Page Size Selection
BarCode:
Media:
Coubre Zund ShowRoom
Page Size:
07 Inch Roll
Placement:
Print Jobs Individually
Setup
OK
Cancel
Help

Step 3:

Select the I-Cut in the popup.

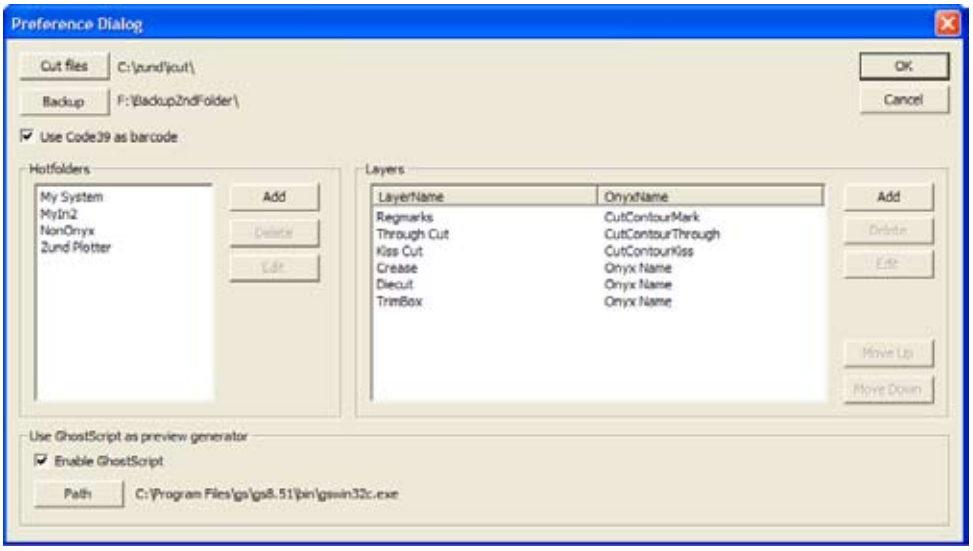


Appendix D - Barcodes

Barcode Types

There are two different types of barcodes.
- I-Cut camera compatible barcode
- Code39 barcode that can be read by handheld barcode readers

The type is set in the servers preference

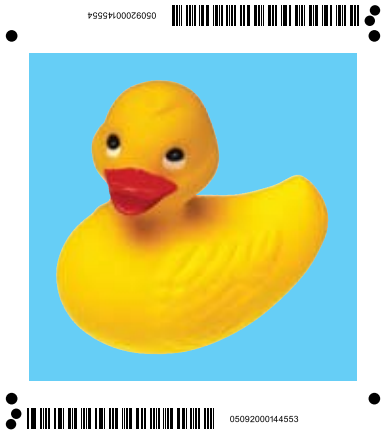
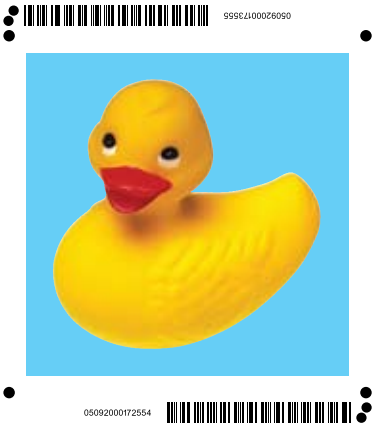
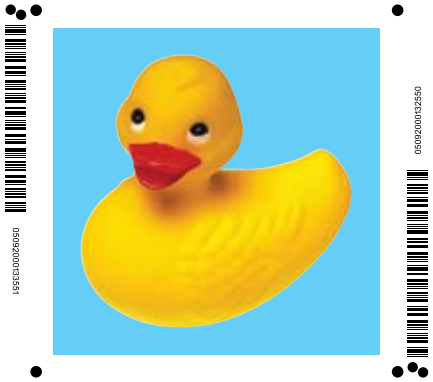
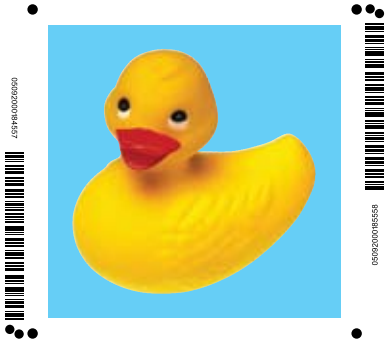
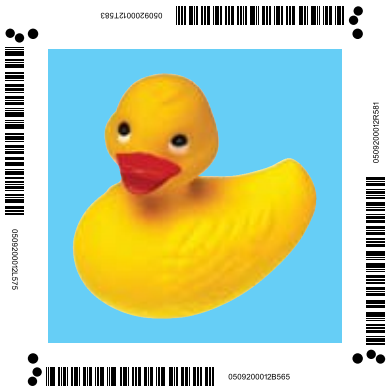
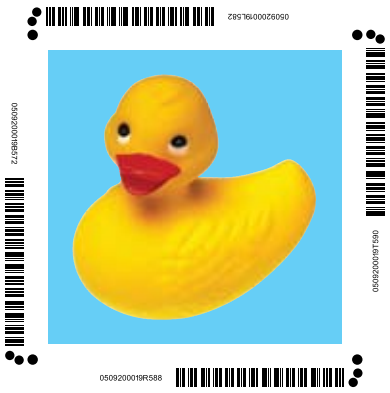


After a change of barcode type, the client program has to be restarted for the change to take effect.

Barcode Placements

In the client software you can select between the following placements of the barcodes

Barcodes in X Direction	Barcodes in Y Direction
Barcode at bottom X-Direction	Barcode at bottom Y-Direction

Barcodes in X Direction	Barcodes in Y Direction
Barcodes at top and bottom X-Direction 	Barcodes at top and bottom Y-Direction 
Barcodes at left and right X-Direction 	Barcodes at left and right Y-Direction 
Barcodes on all sides X-Direction 	Barcodes on all sides Y-Direction 

Appendix E - Using Ghostscript®

Downloading Ghostscript

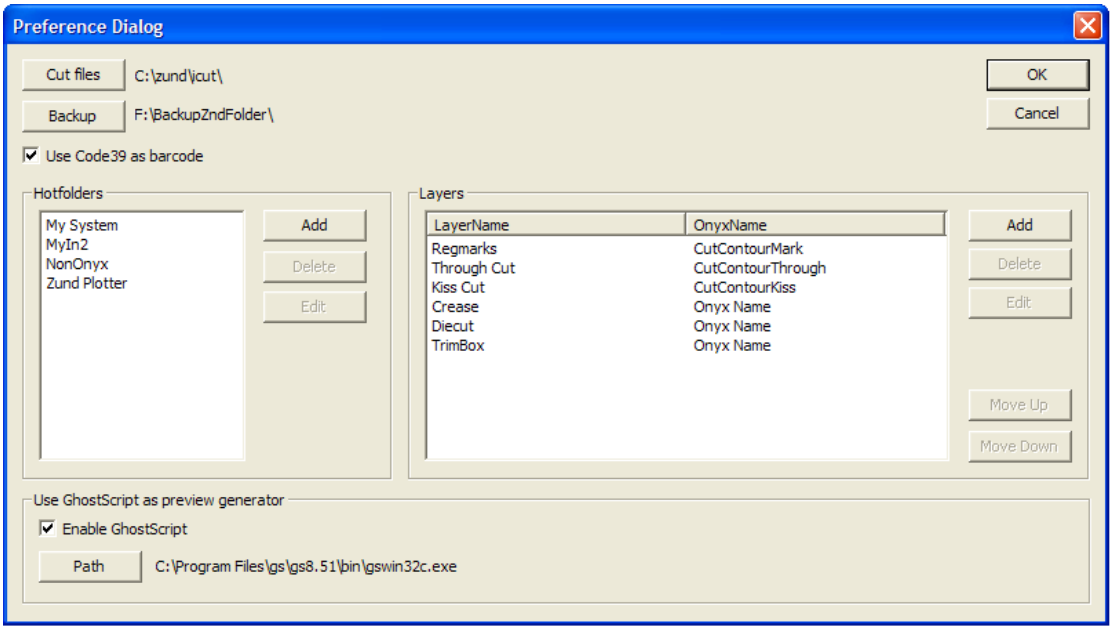
You can download the latest version of ghostscript from the internet.

On the bottom of the internet page http://www.zund.dk/default.asp?ID=50 is a link to the latest version tested with Océ ProCut Prepress.

After downloading the exe file install it on the machine where the Océ ProCut Prepress server is installed. Remember the path where ghostscript is installed.

Tell Océ ProCut Prepress where ghostscript is located

Select the preference option in the Océ ProCut Prepress server.



Turn "On" the "Enable GhostScript" and click the "Path" button. Browse until the file GsWin32c.exe is found and click OK. In an English windows with version 8.51 of Ghostscript the file is located in C:\Program Files\gs\gs8.51\bin

All new files and files reprocessed will be using the Ghostscript to create previews

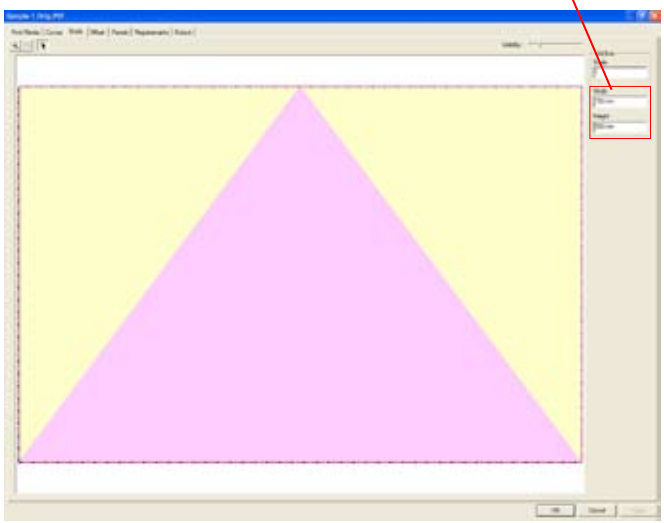
Appendix F - Samples

Sample 1

Synopsis: A rectangle (750x500 mm) needs to be split into two equal sized panels (375x500 mm). There is no bleed on the job so scaling will be used to make the bleed. The minimum bleed is set to 25 mm on each side (Total of 50 mm).

Step 1 : Original Job

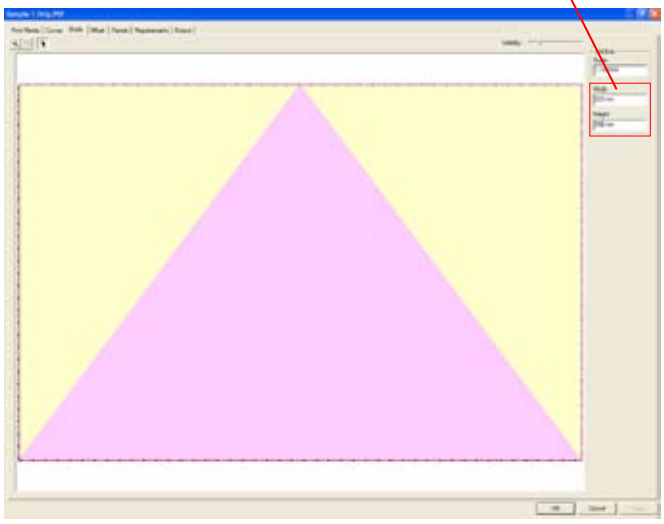
Width 750 mm
Height 500 mm



The scale is now adjusted to include the extra bleed. This is done by adding 50 mm bleed to the original 500 mm height. The width automatically increased from 750 mm to 825 mm (Total 75 mm).

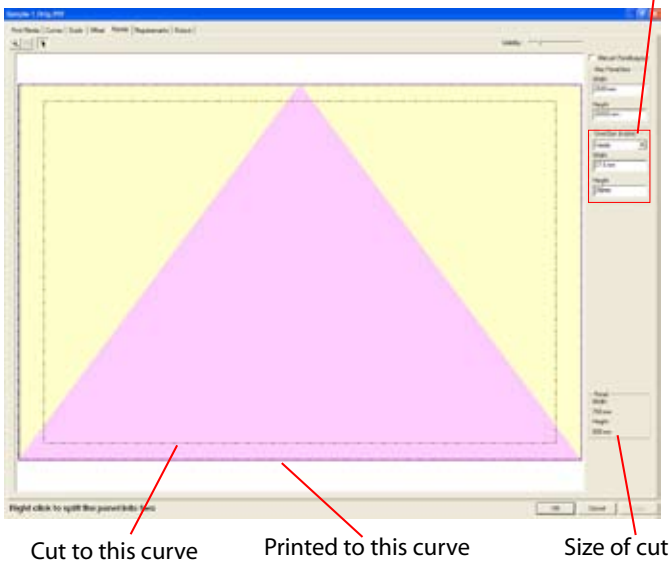
Step 2 : Adjusting the scale to get an oversized job

Width 825 mm
Height 550 mm



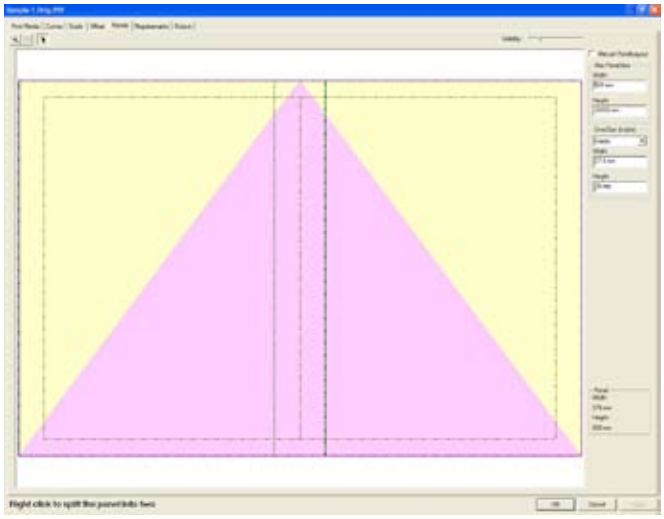
The bleed now has to be specified so that the result is the same as the original. The width is increased from 750 to 825 (75 mm). Half of this value (37.5 mm) in keyed in the oversize width. This will create 37.5 mm bleed to the left and the right of the cut. The resulting size after cutting the bleed can all the time be seen in the lower right corner. The height is adjusted in the same way.

Step 3 : Oversize inside.
Extra Width (825-750) 75 mm
Extra Height (550-500) 50 mm



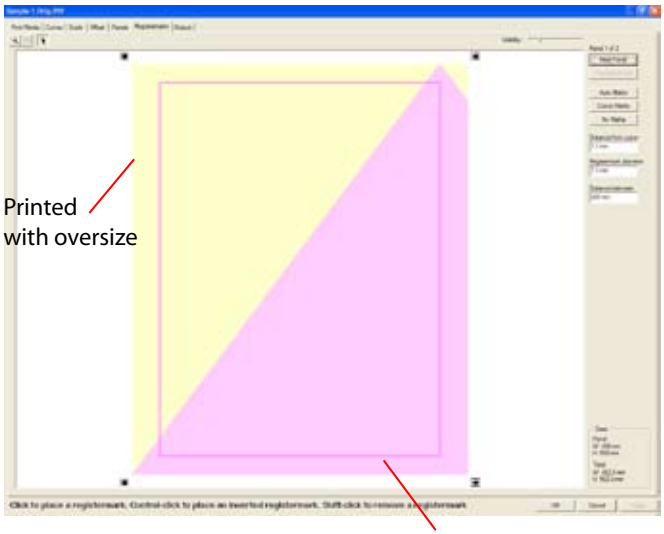
Create the two panels. The dashed yellow lines is the cut curves and the green rectangles are the printed size.

Step 4 : Split the job in two equal sized panels

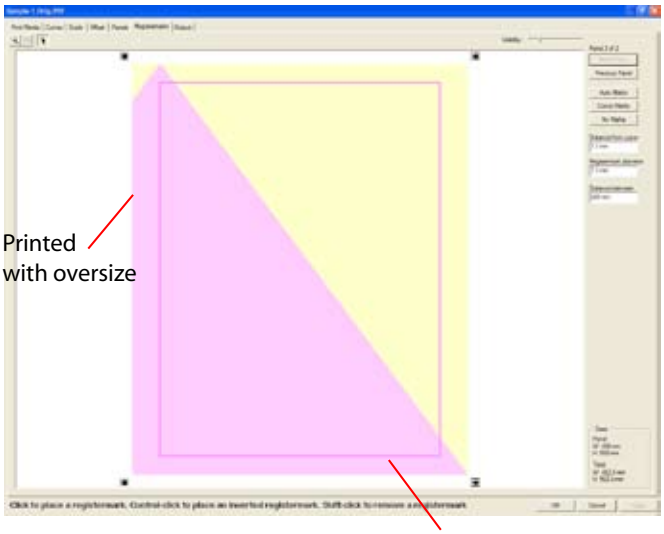


The resulting panels in Océ ProCut Prepress.

Step 5 : Resulting Panel 1

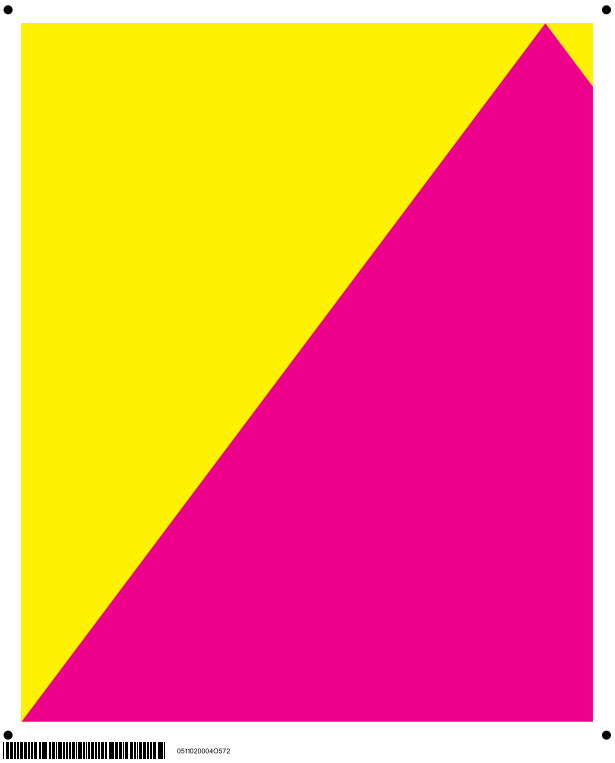


Step 6 : Resulting Panel 2

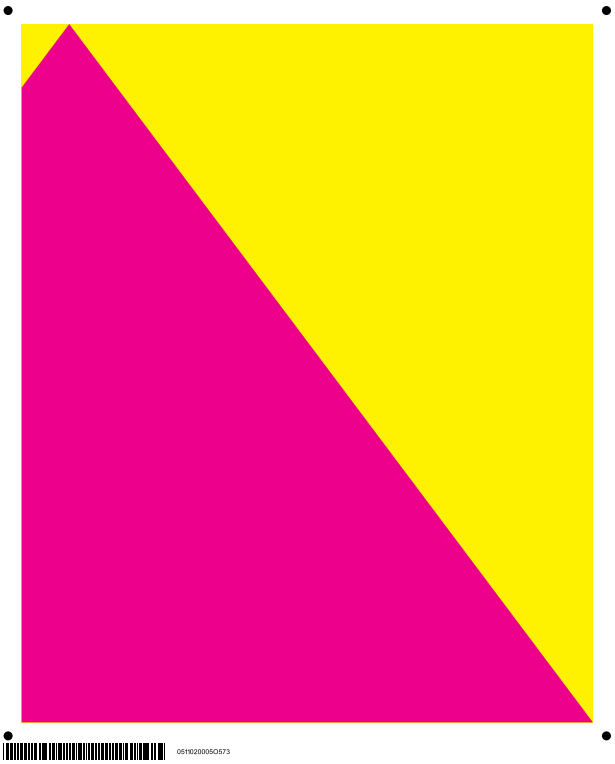


The actual output files:

Panel 1:



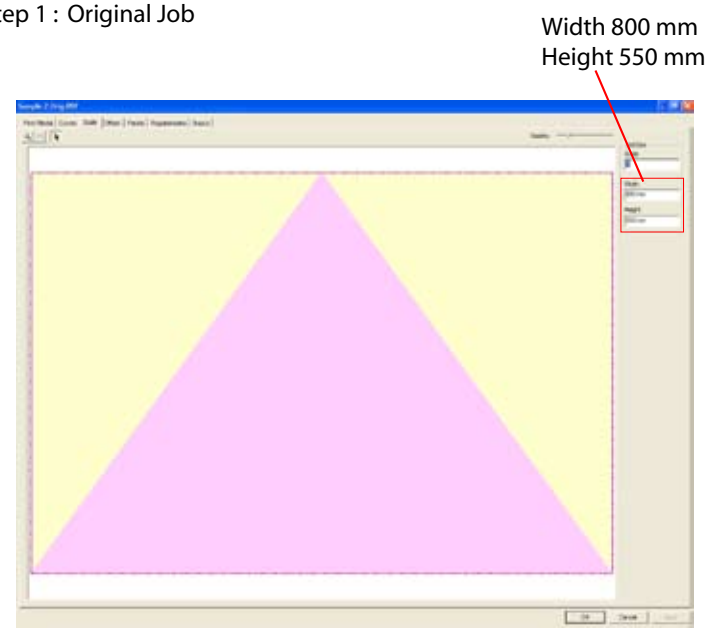
Panel 2:



Sample 2

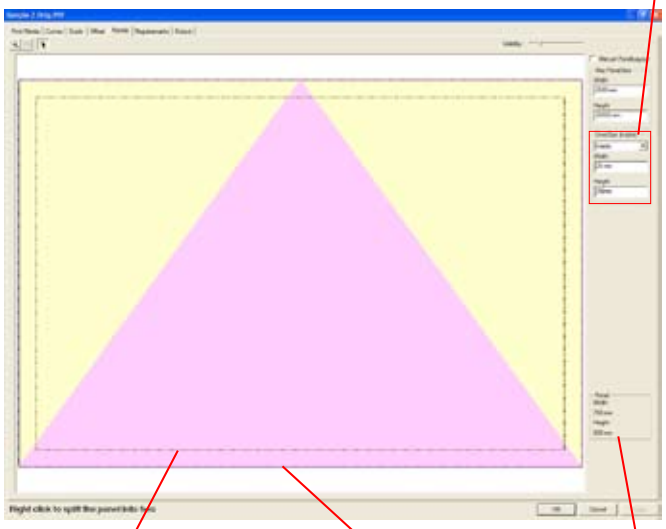
Synopsis: A rectangle (750x500 mm) needs to be split into two equal sized panels (375x500 mm). The job is designed with an 25 mm bleed on each side (Total of 50 mm). The job designed is then 800x550 mm.

Step 1 : Original Job



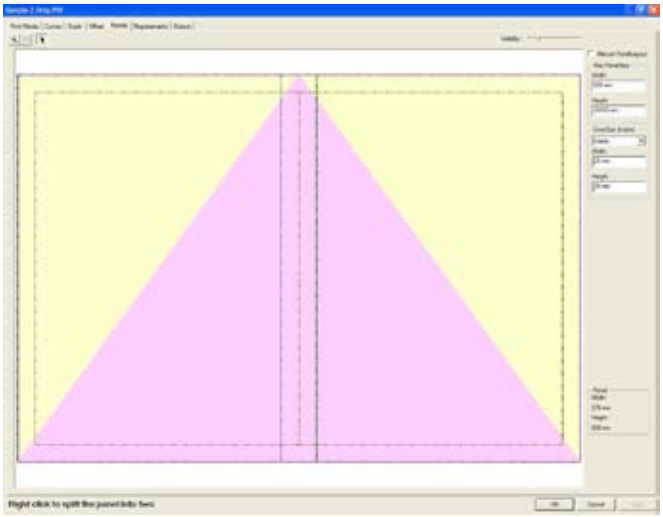
The bleed is entered as oversize and inside.

Step 2 : Oversize inside.
Extra Width (800-750) 50 mm
Extra Height (550-500) 50 mm



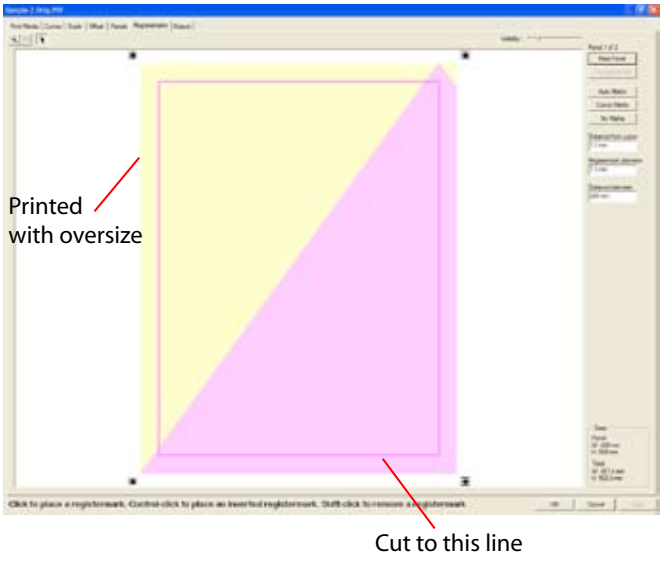
Create the two panels. The dashed yellow lines is the cut curves and the green rectangles are the printed size.

Step 3 : Split the job in two equal sized panels

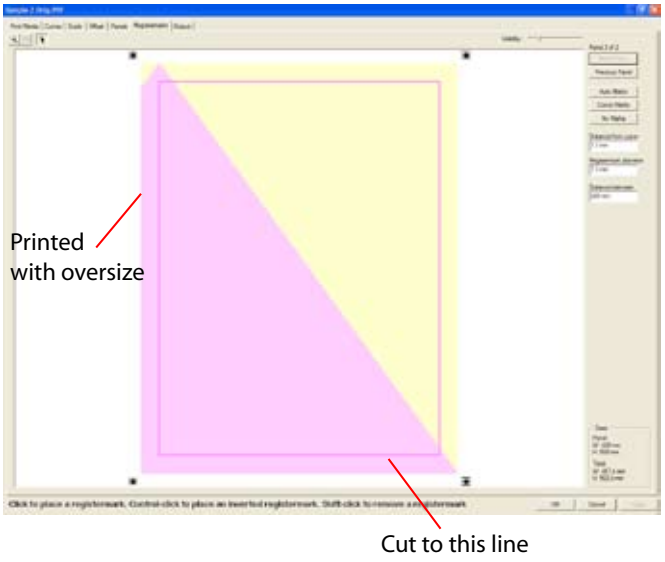


The resulting panels in Océ ProCut Prepress.

Step 4 : Resulting Panel 1

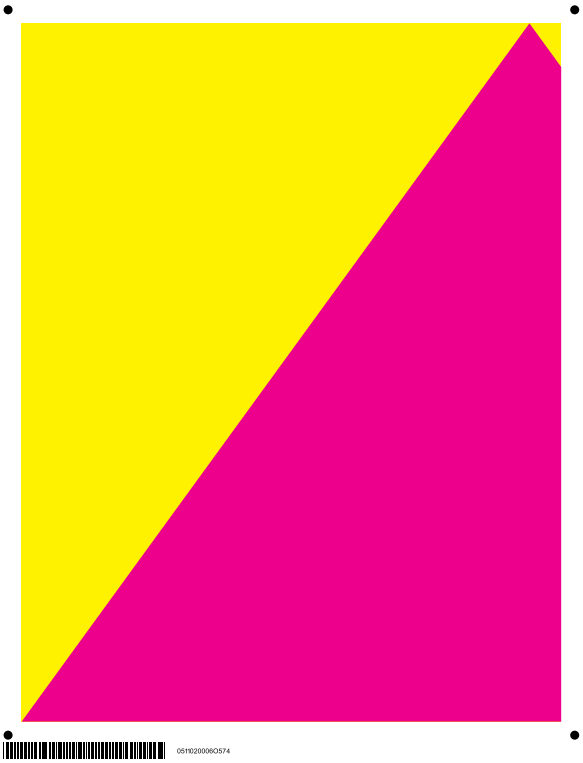


Step 5 : Resulting Panel 2



The actual output files:

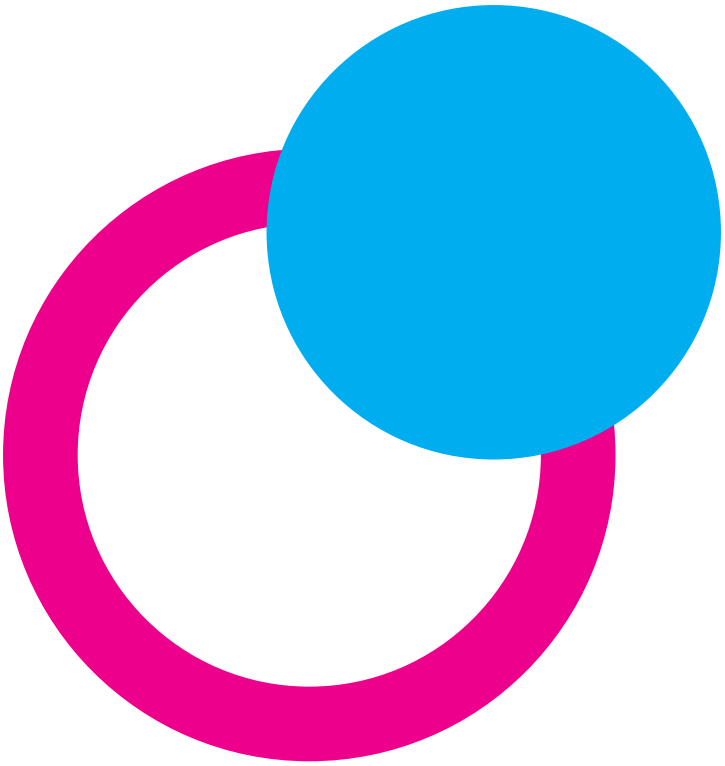
Panel 1:



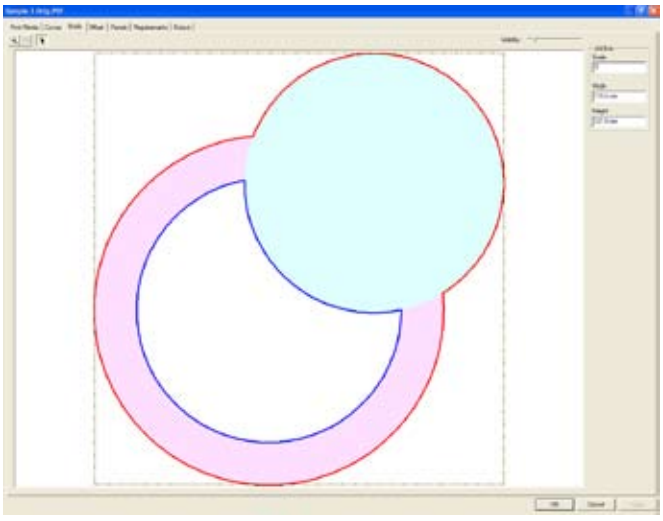
Panel 2

Sample 3

Synopsis: A job needs to be cut inlined 2 mm. The job will be printed with the bleed of 2mm. First part of this sample will create a one panel job. The second part will create a two panel job.

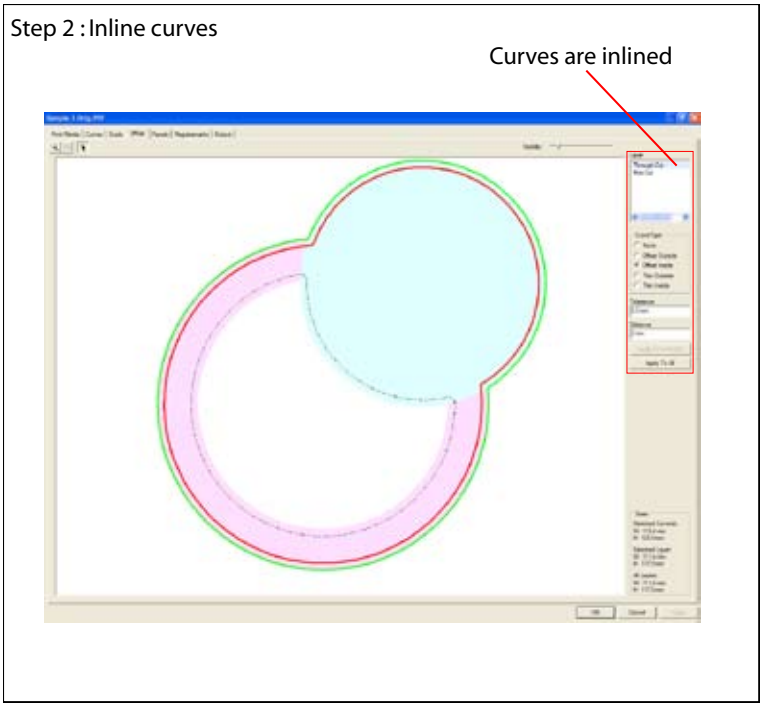


Step 1 :The original in PrepareIt



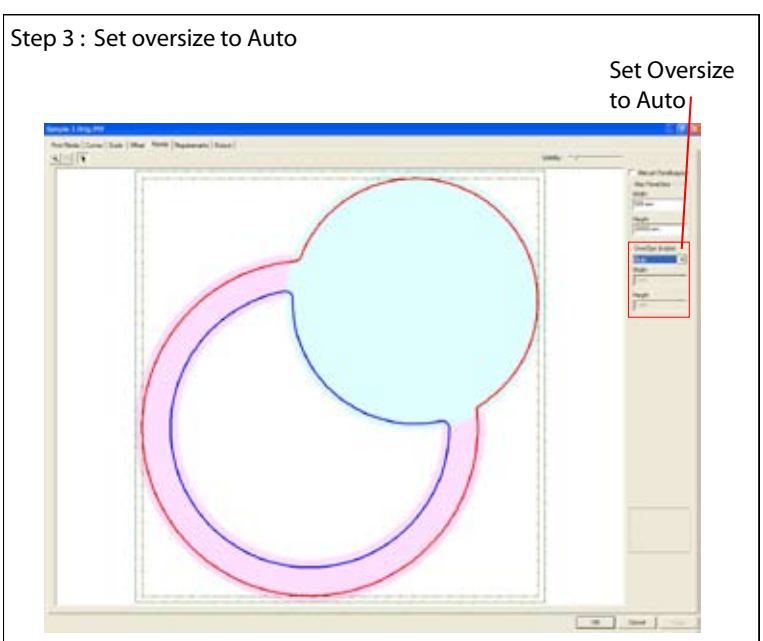
The curves are inlined 2 mm.

Step 2 : Inline curves

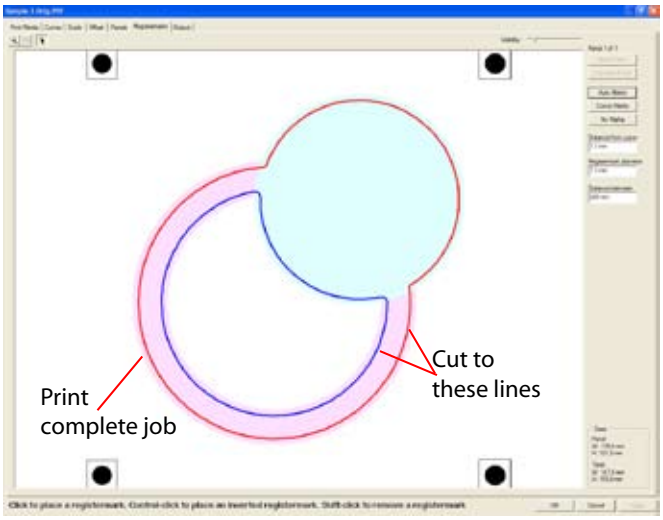


Set the oversize to auto. The system will automatically calculate the necessary bleed.

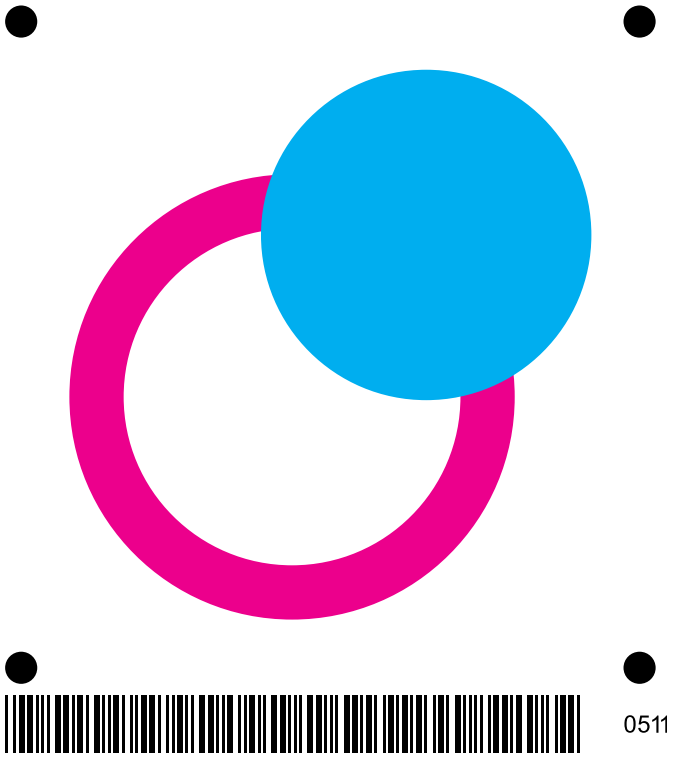
Step 3 : Set oversize to Auto



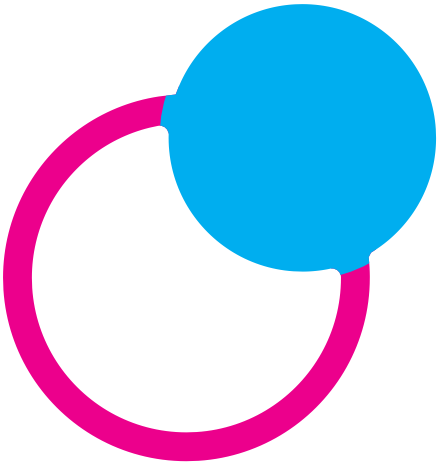
Step 4: The result



The outputfile:

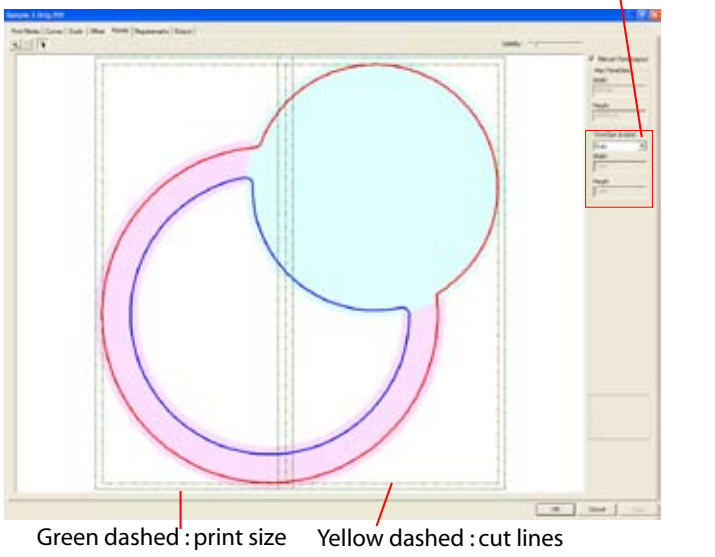


and after cutting:



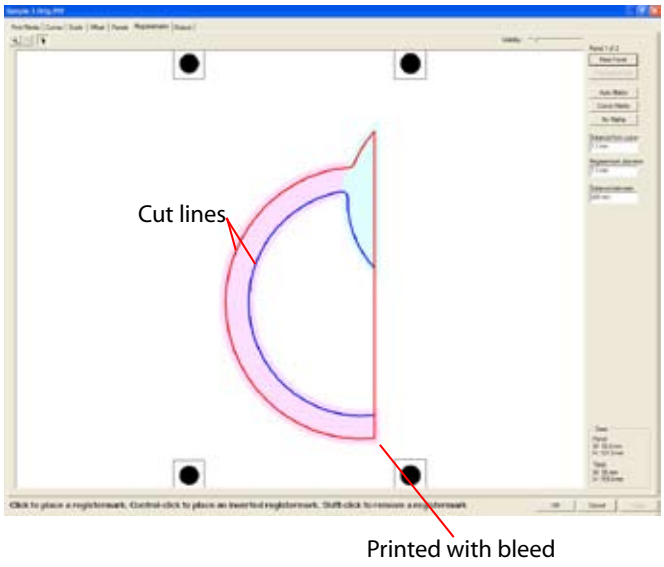
Step 5 : (Part 2) Creating a two panel job)

Step 5 : Make two panels (with bleed)

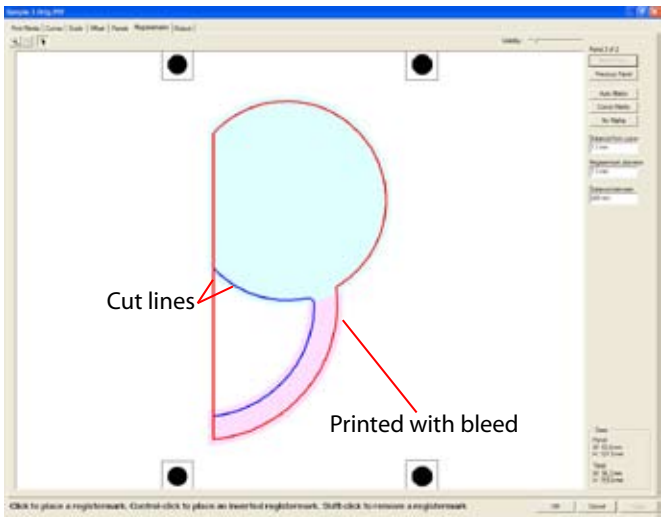


The panels in Océ ProCut Prepress:

Step 6 : Panel 1

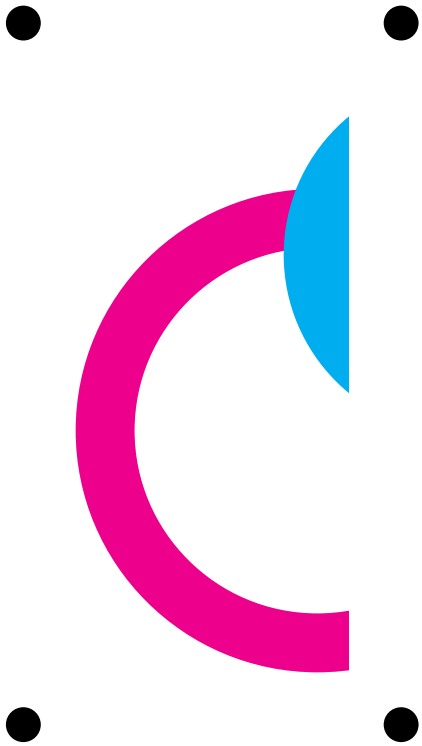


Step 7 : Panel 2

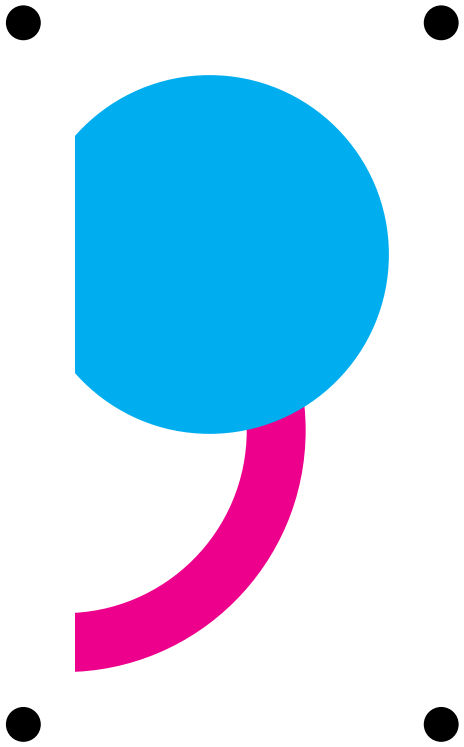


The outputfiles:

Panel 1:

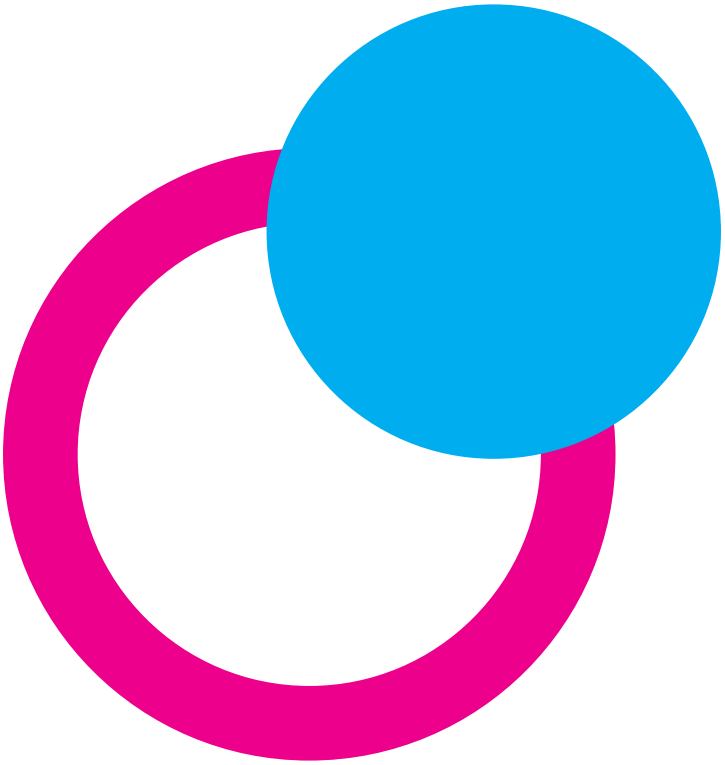


Panel 2:

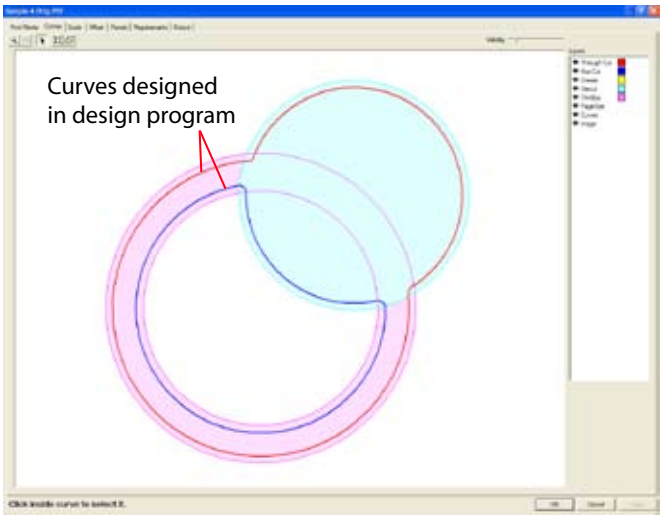


Sample 4

Synopsis: A job is designed with a bleed of 2 mm. The curves used for cutting is created in the designprogram

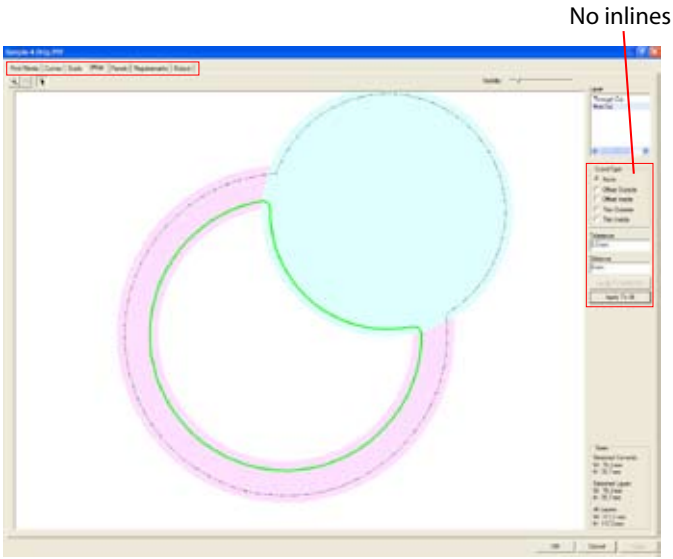


Step 1 : The original job



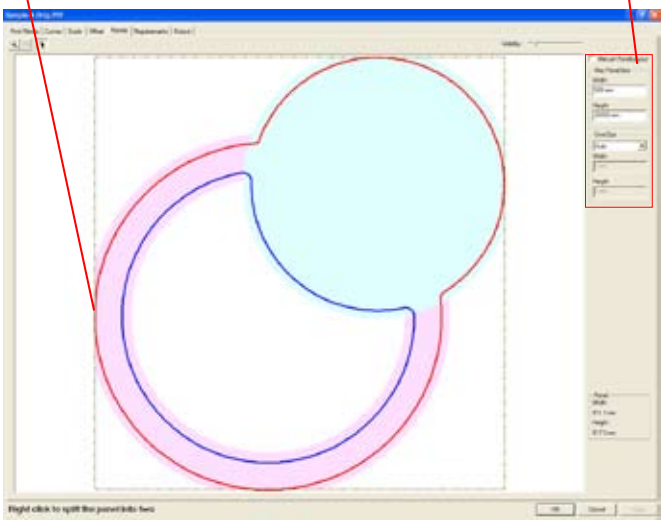
No curves are offset

Step 2 : No inlines



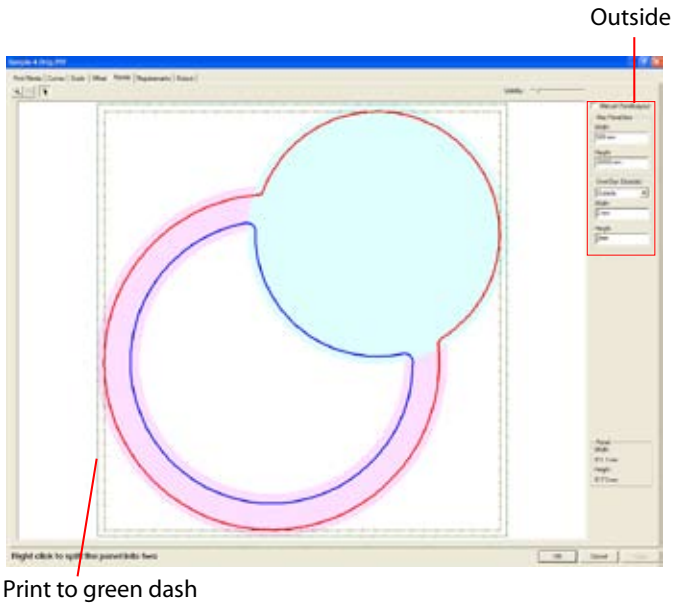
Because the curves are not inlined the system use 0 mm as bleed.

Step 3 : With Autosettings
Printed to cut size



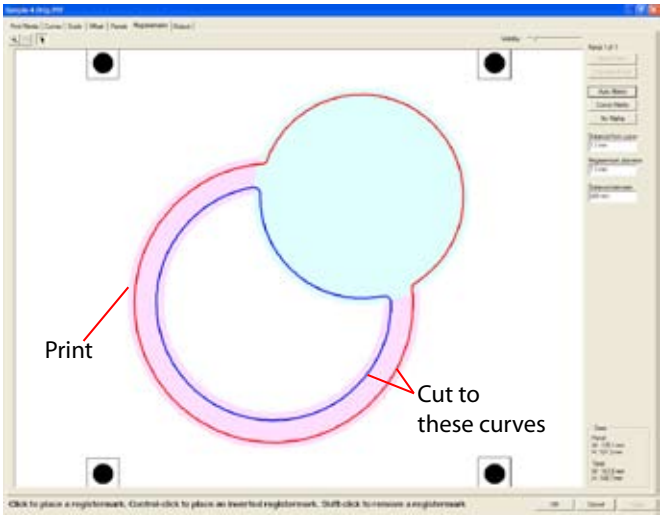
Add some extra printarea outside the cutting curves

Step 4 : Oversize outside 2 mm



The job is now finished. Here the job in Océ ProCut Prepress

Step 5 :The result in PrepareIt



And the outputfile:

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